



## DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER20050001

Agency Interest No. 2073

Denis Beausejour  
Vice President/General Manager  
Tembec USA, LLC  
P.O. Box 218  
St. Francisville, LA 70775

RE: Part 70 Operating Permit, St. Francisville Mill  
Tembec USA, LLC, St. Francisville, West Feliciana Parish, Louisiana

Dear Mr. Beausejour:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the \_\_\_\_\_ of \_\_\_\_\_, 2012, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

Permit No.: 3160-00001-V3

Sincerely,

Chuck Carr Brown Ph.D.  
Assistant Secretary  
CCB:dcd

## ENVIRONMENTAL SERVICES

: PO BOX 4313, BATON ROUGE, LA 70821-4313

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WWW.DEQ.Louisiana.GOV

**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**ST. FRANCISVILLE MILL  
AGENCY INTEREST NO.: 2073  
TEMBEC USA, LLC  
ST. FRANCISVILLE, WEST FELICIANA PARISH, LOUISIANA**

**I. Background**

St. Francisville Mill, an existing pulp and paper manufacturing facility, began operation in 1959. The St. Francisville Mill currently operates under Permit No. 3160-00001-V2, issued March 23, 2006, and Permit No. PSD-LA-540(M-3), issued November 30, 2003.

This is the Part 70 operating permit modification for the facility.

**II. Origin**

A permit application and Emission Inventory Questionnaire were submitted by Tembec USA, LLC on October 5, 2005, requesting a Part 70 operating permit renewal. An updated application that completely replaced the previous submittal was submitted on August 11, 2006. Additional information was submitted on September 22, 2006, October 6, 2006, May 14, 2007, and August 27, 2007.

**III. Description**

Tembec's St. Francisville Mill specializes in the production of high quality printing papers, coffee filter stock, and other specialty grades of industrial and consumer paper products. The facility is primarily a kraft pulping mill which comprises two wood pulping processes and four paper machines.

In the kraft pulping process, wood chips are cooked under pressure in the presence of cooking liquor. Cooking liquor, or white liquor, is an aqueous solution of sodium sulfide and sodium hydroxide. The lignin that binds the cellulose fibers together is dissolved during the cooking. When the cooking is completed, the majority of the liquor is drained to the recovery while the pulp enters its initial washing stage. Unreacted chunks of wood are removed while the pulp is washed. The washed pulp, or brown stock, is then bleached with oxidizers including chlorine dioxide, oxygen, and peroxide in the bleach plant. The bleached pulp is then sent to the paper machines.

Pulp is also produced in the pressurized groundwood area. Logs are brought to the mill and sent to pressurized grinders. The fine wood grindings (pulp) are washed in centrifuges and deckers, and then whitened with peroxide.

Pulps from the above processes are blended and fed to four paper machines. Clay coated paper for magazine printing is produced in the No. 1 and No. 2 Paper Machines. The No. 3

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and No. 4 Paper Machines produce specialized papers, such as cup stock, coffee filter paper, and medical interwrap using pulp from the kraft pulping process.

To complete the chemical cycle in the kraft mill, the drained chip cooking liquor, or black liquor, is recovered, concentrated, and burned in the non-direct contact evaporator (NDCE) recovery furnace. The residue or smelt from the furnace is dissolved in weak wash to form green liquor. Calcium oxide or quick lime is added to the green liquor to produce white liquor which goes back into the chip cooking process in the Kraft Mill.

In order to comply with the emission limits established in PSD-LA-540(M-3), the St. Francisville Mill limits the maximum permitted production rate of the Recovery Area to 3.0 MM lbs of black liquor solids per day and the average permitted production rate to 2.8 MM lbs of black liquor solids per day.

With this modification, St. Francisville Mill proposes to:

- Renew the Part 70 permit
- Incorporate new Insignificant Activities
- Make other minor changes
- Incorporate seven new existing, yet previously unpermitted, emission point sources

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM <sub>10</sub>	232.65	234.62	+ 1.97
SO <sub>2</sub>	193.66	196.92	+ 3.26
NO <sub>X</sub>	1155.91	798.00	- 357.91
CO	1810.76	1691.66	- 119.10
VOC *	645.65	681.53	+ 35.88
TRS	65.61	66.52	+ 0.91

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<u>*VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):</u>		<u>Non-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):</u>	
Pollutant	Emissions	Pollutant	Emissions
Acetaldehyde	16.37	Ammonia	31.69
Acrolein	0.40	Antimony (and compounds)	< 0.01
Benzene	0.33	Arsenic (and compounds)	< 0.01
Biphenyl	11.29	Barium (and compounds)	0.01
Carbon disulfide	0.49	Beryllium (Table 51.1)	< 0.01
Chlorobenzene	0.29	Cadmium (and compounds)	< 0.01
Chloroform	4.39	Chromium VI (and compounds)	< 0.01
Cresol	0.09	Chlorine	1.12
Cumene	3.77	Chlorine Dioxide	7.39
1,1 - Dichloroethane	0.04	Copper (and compounds)	< 0.01
1,2 Dimethoxyethane	0.73	Dichloromethane	0.29
Formaldehyde	6.52	Hydrochloric Acid	59.48
Methanol	116.58	Hydrogen Sulfide	4.21
Methyl Chloride	0.26	Manganese (and compounds)	0.03
Methyl Ethyl Ketone	1.93	Mercury (and compounds)	< 0.01
Methyl Isobutyl Ketone	0.52	Nickel (and compounds)	0.02
n-Hexane	0.09	Selenium (and compounds)	< 0.01
Naphthalene	1.81	Sulfuric Acid	10.51
PAH	0.27	Tetrachloroethylene	1.18
Phenol	17.44	Zinc (and compounds)	0.15
Propionaldehyde	2.42		
Styrene	0.98		
Toluene	1.97		
1,2,4 Trichlorobenzene	3.39		
Xylenes	0.77		
Total	193.14		116.08

Other VOC (TPY): 488.39

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**IV. Type of Review**

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does not apply to the changes associated with this renewal and minor modification.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. Acetaldehyde (Class II), ammonia (Class III), biphenyl (Class II), hydrochloric acid (Class III), methanol (Class III), phenol (Class II), and styrene (Class II) are emitted in amounts in excess of the major source threshold. Acetaldehyde (Class II), acrolein (Class II), ammonia (Class III), benzene (Class I), biphenyl (Class II), chlorine dioxide (Class II), chlorine (Class III), chlorobenzene (Class II), chloroform (Class II), dichloromethane (Class II), formaldehyde (Class I), hydrochloric acid (Class III), hydrogen sulfide (Class III), methanol (Class III), naphthalene (Class II), phenol (Class II), polynuclear aromatic hydrocarbons (Class II), propionaldehyde (Class III), sulfuric acid (Class III), and zinc (and compounds) (Class III) are emitted in amounts that exceed their respective Minimum Emission Rates (MER). MACT must be addressed for the Class I and Class II pollutants listed above. Compliance with 40 CFR 63 Subpart S – Pulp and Paper Industry and 40 CFR 63 Subpart MM – Chemical Recovery Combustion Sources at Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mills is determined as MACT.

**V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**VI. Public Notice**

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2007; and in the <local paper>, <local town>, on <date>, 2007. A copy

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of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

**VII. Effects on Ambient Air**

Dispersion Model Used: ISCST3 (Screen)

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard or National Ambient Air Quality Standard (NAAQS)
Biphenyl	8-Hour Average	30.4	31

**VIII. General Condition XVII Activities**

None

**IX. Insignificant Activities**

ID No.:	Description	Citation
-	Diesel Tank (500 gallons)	LAC 33:III.501.B.5.A.3
-	Three (3) Diesel Tanks (560 gallons each)	LAC 33:III.501.B.5.A.3
-	Two (2) Diesel Tanks (1,000 gallons each)	LAC 33:III.501.B.5.A.3
-	Diesel Tank (2,000 gallons)	LAC 33:III.501.B.5.A.3
-	Diesel Tank (6,000 gallons)	LAC 33:III.501.B.5.A.3
-	Administrative Building Diesel Generator (166 hp, < 500 hr/yr)	LAC 33:III.501.B.5.D
-	Mud Storage Auxiliary Gasoline Engine (31 hp, < 500 hr/yr)	LAC 33:III.501.B.5.D
-	Auxiliary Drive Diesel Engine for the Lime Kiln (30 hp, < 500 hr/yr)	LAC 33:III.501.B.5.D

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**X.** Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter																
		5▲	9	11	13	15	2103	2104*	2107	2111	2115	2116	22	2301	29*	51*	53	56
Plant Wide		1	3										2		2	1	1	3
<b>BLEACHING AREA</b>																		
EQT 4	BP-01 - Bleach Plant Roof Scrubber																	1
EQT 5	BP-02 - Bleach Plant Washer Vent																	1
FUG 1	BP-03 - Bleach Plant Fugitives																	1
EQT 6	BP-10 - HD Pulp Storage Chest No. 10																	1
EQT 7	BP-11 - HD Pulp Storage Chest No. 11																	1
EQT 8	BP-12 - HD Pulp Storage Chest No. 12																	1
EQT 9	BP-13 - HD Pulp Storage Chest No. 13																	1
EQT 10	BP-14 - HD Pulp Storage Chest No. 14																	1
EQT 11	BP-15 - HD Pulp Storage Chest No. 15																	1
EQT 12	BP-20 - LD Pulp Storage Chest No. 20																	1
EQT 13	BP-21 - LD Pulp Storage Chest No. 21																	1
EQT 14	BP-22 - LD Pulp Storage Chest No. 22																	1
EQT 15	BP-23 - LD Pulp Storage Chest No. 23																	1
EQT 16	BP-24 - LD Pulp Storage Chest No. 24																	1

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ID No.:	Description	LAC 33:III.Chapter																
		5▲	9	11	13	15	2103	2104*	2107	2111	2115	2116	22	2301	29*	51*	53	56
<b>KRAFT AREA</b>																		
EQT 17	KM-01 - Brown Stock Washer Vent																	1
EQT 18	KM-02 - Foam Breaker Tank																	1
EQT 19	KM-04 - Filtrate Tank No. 1																	1
EQT 20	KM-05 - Filtrate Tank No. 2																	1
FUG 2	KM-07 - Fugitives																	1
EQT 21	KM-08 - Washed Stock Chest																	1
EQT 22	KM-09 - LD Unbleached Pulp Chest No. 1																	1
EQT 23	KM-10 - LD Unbleached Pulp Chest No. 2																	1
EQT 24	KM-11 - HD Unbleached Pulp Chest No. 3																	1
EQT 25	KM-12 - HD Unbleached Pulp Chest No. 4																	1
EQT 26	KM-13 - HD Unbleached Pulp Chest No. 5																	1
EQT 86	LVHC - LVHC Vents																	

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ID No.:	Description	LAC 33:III:Chapter																
		5▲	9	11	13	15	2103	2104*	2107	2111	2115	2116	22	2301	29*	51*	53	56
<b>PRESSURIZED GROUNDWOOD AREA</b>																		
EQT 27	PGW-01 - Blow Cyclone Heat Recovery Vent																	
EQT 28	PGW-02 - Grinder Air Lock Vent																	1
EQT 29	PGW-03 - Rejects Refiner Vent																	1
EQT 30	PGW-04 - Decker Vent																	1
EQT 31	PGW-05 - Clear White Water Chest Vent																	1
EQT 32	PGW-06 - Groundwood Bleach Tower																	1
EQT 33	PGW-07 - Pressure Disk Filter Chest Vent																	1
EQT 34	PGW-08 - LD Bleach Tower Storage																	1
EQT 35	PGW-09 - Groundwood Chest No. 3																	1
EQT 36	PGW-10 - Groundwood Chest No. 6																	1
EQT 37	PGW-11 - Bleached Kraft Chest No. 1																	1
EQT 38	PGW-12 - Bleached Kraft Chest No. 2																	1
EQT 39	PGW-13 - Broke Chest No. 4																	1
EQT 40	PGW-14 - Broke Chest No. 5																	1

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III Chapter																	
		5▲	9	11	13	15	2103	2104*	2107	2111	2115	2116	22	2301	29*	51*	53	56	59
<b>PAPER MACHINE AREA</b>																			
EQT 41	PM-01 - Paper Machine No. 1																		3
EQT 42	PM-02 - Paper Machine No. 2																		3
EQT 43	PM-03 - Paper Machine No. 3																		3
EQT 44	PM-04 - Paper Machine No. 4																		3
EQT 45	PM-1D - Paper Machine No. 1 Dryer																		
EQT 46	PM-2D - Paper Machine No. 2 Dryer																		
EQT 47	PM-4D - Paper Machine No. 4 Dryer																		
EQT 48	PMRP - Supercalender Repulper																		
EQT 49	SCP-01 - South Coating Plant Starch Silo 1																		
EQT 50	SCP-02 - South Coating Plant Starch Silo 2																		
EQT 51	SCP-03 - South Coating Plant Starch Silo 3																		
EQT 52	NCP-01 - North Coating Plant Starch Silo 4																		

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TEMBECK USA, LLC

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III Chapter																	
		5▲	9	11	13	15	2103	2104*	2107	2111	2115	2116	22	2301	29*	51*	53	56	59
<b>RECAUSTICIZING AREA</b>																			
EQT 53	RC-01 - Lime Kiln	1	1	3	2											1	1	1	
EQT 54	RC-03 - Green Liquor Clarifier																1		
EQT 55	RC-04 - Green Liquor Storage No. 1																1		
EQT 56	RC-05 - Green Liquor Storage No. 2																1		
EQT 57	RC-06 - Slaker																1		
EQT 58	RC-07 - Causticizer No. 1																1		
EQT 59	RC-08 - Causticizer No. 2																1		
EQT 60	RC-09 - Causticizer No. 3																1		
EQT 61	RC-10 - Causticizer No. 4																1		
EQT 62	RC-11 - Causticizer Sump																1		
FUG 3	RC-12 - Fugitives																1		
EQT 63	RC-13 - Reburned Lime Silo																1		
EQT 64	RC-14 - Fresh Lime Silo																	1	
EQT 88	RC-15 - Pet Coke Silo Baghouse																		

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	5 ▲	9	11	13	15	2103	2104*	2107	2111	2115	2116	22	2301	29*	51*	53	56	59	LAC 33.III. Chapter
<b>RECOVERY AREA</b>																				
EQT 65	RF-01 - NDCE Recovery Furnace																			
EQT 66	RF-02 - Smelt Dissolving Tank																			
EQT 67	RF-03 - Salt Cake Mix Tank																			
EQT 68	RF-04 - Weak Black Liquor Tank No. 3																			
EQT 69	RF-05 - North Weak Black Liquor Tank																			
EQT 70	RF-06 - South Weak Black Liquor Tank																			
EQT 71	RF-07 - Intermediate Black Liquor Tank 1																			
EQT 72	RF-08 - Intermediate Black Liquor Tank 2																			
EQT 73	RF-09 - Intermediate Black Liquor Tank 3																			
EQT 74	RF-10 - Intermediate Black Liquor Tank 4																			
EQT 75	RF-11 - North Fuel Black Liquor Tank																			
EQT 76	RF-12 - South Fuel Black Liquor Tank																			

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**ST. FRANCISVILLE, WEST FELICIANA PARISH, LOUISIANA****X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III Chapter																
		5▲	9	11	13	15	2103	2104*	2107	2111	2115	2116	22	2301	29*	51*	53	56
<b>TALL OIL AREA</b>																		
EQT 77	TO-01 - Tall Oil Reactor																	1
EQT 78	TO-02 - Tall Oil Decant																	1
EQT 79	TO-03 - Tall Oil Storage No. 1																	1
EQT 80	TO-04 - Tall Oil Storage No. 2																	1
EQT 81	TO-05 - Soap Storage Tank																	1
EQT 82	TO-06 - Spent Acid Tank																	1
<b>UTILITIES AREA</b>																		
EQT 83	UT-01 - Power Boiler No. 1																	2
EQT 84	UT-02 - Power Boiler No. 4																	2
EQT 85	UT-06 - Power Boiler No. 6																	2

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter																
		5▲	9	11	13	15	2103	2104*	2107	2111	2115	2116	22	2301	29*	51*	53	56
<b>EFFLUENT TREATMENT SYSTEM</b>																		
ARE 2	WT-01 - Wastewater Collection Chamber																	1
ARE 3	WT-02 - North Clarifier																	1
ARE 4	WT-03 - South Clarifier																	1
ARE 5	WT-04 - Aeration Stabilization Basin (ASB)																	1
ARE 6	WY-01 - Chip Pile																	3

\* The regulations indicated above are State Only regulations.

- ▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

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**KEY TO MATRIX**

- 1 - The regulations have applicable requirements that apply to this particular emission source.  
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR	
		A	K	K <sub>a</sub>	K <sub>b</sub>	D <sub>b</sub>	BB	A	J	V	A	H	S	MM	DDDDD	52	64	68			
<b>Plant Wide</b>																					
EQT 4	BP-01 - Bleach Plant Roof Scrubber																				3
EQT 5	BP-02 - Bleach Plant Washer Vent																				2
FUG 1	BP-03 - Bleach Plant Fugitives																				
EQT 6	BP-10 - HD Pulp Storage Chest No. 10																				
EQT 7	BP-11 - HD Pulp Storage Chest No. 11																				
EQT 8	BP-12 - HD Pulp Storage Chest No. 12																				
EQT 9	BP-13 - HD Pulp Storage Chest No. 13																				
EQT 10	BP-14 - HD Pulp Storage Chest No. 14																				
EQT 11	BP-15 - HD Pulp Storage Chest No. 15																				
EQT 12	BP-20 - LD Pulp Storage Chest No. 20																				
EQT 13	BP-21 - LD Pulp Storage Chest No. 21																				
EQT 14	BP-22 - LD Pulp Storage Chest No. 22																				
EQT 15	BP-23 - LD Pulp Storage Chest No. 23																				
EQT 16	BP-24 - LD Pulp Storage Chest No. 24																				

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ID No.:	Description	40 CFR 60 NSPS						40 CFR 61			40 CFR 63 NESHAP			40 CFR			
		A	K	K <sub>a</sub>	K <sub>b</sub>	Db	BB	A	J	V	A	H	S	MM	DDDDD	52	64
<b>KRAFT AREA</b>																	
EQT 17	KM-01 - Brown Stock Washer Vent										1	1				2	
EQT 18	KM-02 - Foam Breaker Tank										1	1				2	
EQT 19	KM-04 - Filtrate Tank No. 1										1	1				2	
EQT 20	KM-05 - Filtrate Tank No. 2										1	1				2	
FUG 2	KM-07 - Fugitives										1	1					
EQT 21	KM-08 - Washed Stock Chest										1	1				2	
EQT 22	KM-09 - LD Unbleached Pulp Chest No. 1																
EQT 23	KM-10 - LD Unbleached Pulp Chest No. 2																
EQT 24	KM-11 - HD Unbleached Pulp Chest No. 3																
EQT 25	KM-12 - HD Unbleached Pulp Chest No. 4																
EQT 26	KM-13 - HD Unbleached Pulp Chest No. 5																
EQT 86	LVHC - LVHC Vents										1					2	

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**ST. FRANCISVILLE MILL  
AGENCY INTEREST NO.: 2073  
TEMBECK USA, LLC  
ST. FRANCISVILLE, WEST FELICIANA PARISH, LOUISIANA**

**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP					
		A	K	Ka	Kb	Db	BB	A	J	V	A	H	S	MM	DDDDD	52	64	68	
<b>PRESSURIZED GROUNDWOOD AREA</b>																			
EQT 27	PGW-01 - Blow Cyclone Heat Recovery Vent																		
EQT 28	PGW-02 - Grinder Air Lock Vent																		
EQT 29	PGW-03 - Rejects Refiner Vent																		
EQT 30	PGW-04 - Decker Vent																		
EQT 31	PGW-05 - Clear White Water Chest Vent																		
EQT 32	PGW-06 - Groundwood Bleach Tower																2		
EQT 33	PGW-07 - Pressure Disk Filter Chest Vent																		
EQT 34	PGW-08 - LD Bleach Tower Storage																		
EQT 35	PGW-09 - Groundwood Chest No. 3																		
EQT 36	PGW-10 - Groundwood Chest No. 6																		
EQT 37	PGW-11 - Bleached Kraft Chest No. 1																		
EQT 38	PGW-12 - Bleached Kraft Chest No. 2																		
EQT 39	PGW-13 - Broke Chest No. 4																		
EQT 40	PGW-14 - Broke Chest No. 5																		

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**
**ST. FRANCISVILLE MILL**  
**AGENCY INTEREST NO.: 2073**

TEMBEC USA, LLC

**ST. FRANCISVILLE, WEST FELICIANA PARISH, LOUISIANA****X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR		
		A	K	Ka	Kb	Db	BB	A	J	V	A	H	S	MM	DDDDD	S2	64	68				
PAPER MACHINE AREA																						
EQT 41	PM-01 - Paper Machine No. 1																					
EQT 42	PM-02 - Paper Machine No. 2																					
EQT 43	PM-03 - Paper Machine No. 3																					
EQT 44	PM-04 - Paper Machine No. 4																					
EQT 45	PM-1D - Paper Machine No. 1 Dryer																					
EQT 46	PM-2D - Paper Machine No. 2 Dryer																					
EQT 47	PM-4D - Paper Machine No. 4 Dryer																					
EQT 48	PMRP - Supercalendar Repulper																					
EQT 49	SCP-01 - South Coating Plant Starch Silo 1																1					
EQT 50	SCP-02 - South Coating Plant Starch Silo 2																1					
EQT 51	SCP-03 - South Coating Plant Starch Silo 3																1					
EQT 52	NCP-01 - North Coating Plant Starch Silo 4																1					

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

ST. FRANCISVILLE MILL  
 AGENCY INTEREST NO.: 2073  
 TEMBEC USA, LLC  
 ST. FRANCISVILLE, WEST FELICIANA PARISH, LOUISIANA

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS			40 CFR 61			40 CFR 63 NESHAP			40 CFR							
		A	K	Ka	Kb	Db	BB	A	J	V	A	H	S	MM	DDDDD	52	64	68
<b>RECAUSTICIZING AREA</b>																		
EQT 53	RC-01 - Lime Kiln															1	1	2
BQT 54	RC-03 - Green Liquor Clarifier																	
EQT 55	RC-04 - Green Liquor Storage No. 1																	
EQT 56	RC-05 - Green Liquor Storage No. 2																	
EQT 57	RC-06 - Slaker																	
EQT 58	RC-07 - Causticizer No. 1																	
EQT 59	RC-08 - Causticizer No. 2																	
EQT 60	RC-09 - Causticizer No. 3																	
EQT 61	RC-10 - Causticizer No. 4																	
EQT 62	RC-11 - Causticizer Sump																	
FUG 3	RC-12 - Fugitives																	
EQT 63	RC-13 - Reburned Lime Silo															1		
EQT 64	RC-14 - Fresh Lime Silo															1		
EQT 88	RC-15 - Pet Coke Silo Baghouse															1		

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY****ST. FRANCISVILLE MILL**

AGENCY INTEREST NO.: 2073

TEMBEC USA, LLC

**ST. FRANCISVILLE, WEST FELICIANA PARISH, LOUISIANA****X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS			40 CFR 61			40 CFR 63 NESHAP			40 CFR							
		A	K	Ka	Kb	Db	BB	A	J	V	A	H	S	MM	DDDDD	S2	64	68
<b>RECOVERY AREA</b>																		
EQT 65	RF-01 - NDCE Recovery Furnace							1	1									
EQT 66	RF-02 - Smelt Dissolving Tank																1	2
EQT 67	RF-03 - Salt Cake Mix Tank																1	1
EQT 68	RF-04 - Weak Black Liquor Tank No. 3																	
EQT 69	RF-05 - North Weak Black Liquor Tank																	
EQT 70	RF-06 - South Weak Black Liquor Tank																	
EQT 71	RF-07 - Intermediate Black Liquor Tank 1																	
EQT 72	RF-08 - Intermediate Black Liquor Tank 2																	
EQT 73	RF-09 - Intermediate Black Liquor Tank 3																	
EQT 74	RF-10 - Intermediate Black Liquor Tank 4																	
EQT 75	RF-11 - North Fuel Black Liquor Tank																	
EQT 76	RF-12 - South Fuel Black Liquor Tank																	

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

ST. FRANCISVILLE MILL  
 AGENCY INTEREST NO.: 2073  
 TEMBEC USA, LLC  
 ST. FRANCISVILLE, WEST FELICIANA PARISH, LOUISIANA

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHPAP				40 CFR			
		A	K	Ka	Kb	Db	BB	A	J	V	A	H	S	MM	DDDDD	S2	64
<b>TALL OIL AREA</b>																	
EQT 77	TO-01 - Tall Oil Reactor																
EQT 78	TO-02 - Tall Oil Decant																
EQT 79	TO-03 - Tall Oil Storage No. 1																
EQT 80	TO-04 - Tall Oil Storage No. 2																
EQT 81	TO-05 - Soap Storage Tank																
EQT 82	TO-06 - Spent Acid Tank																
<b>UTILITIES AREA</b>																	
EQT 83	UT-01 - Power Boiler No. 1															1	
EQT 84	UT-02 - Power Boiler No. 4															1	
EQT 85	UT-06 - Power Boiler No. 6															1	

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**ST. FRANCISVILLE MILL**  
**AGENCY INTEREST NO.: 2073**  
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**ST. FRANCISVILLE, WEST FELICIANA PARISH, LOUISIANA**

**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHPAP						40 CFR			
		A	K	Ka	Kb	D <sub>b</sub>	BB	A	J	V	A	H	S	MM	DDD	DDDD	S2	64	68				
<b>EFFLUENT TREATMENT SYSTEM</b>																							
ARE 2	WT-01 - Wastewater Collection Chamber																						
ARE 3	WT-02 - North Clarifier																						
ARE 4	WT-03 - South Clarifier																						
ARE 5	WT-04 - Aeration Stabilization Basin (ASB)																						
ARE 6	WY-01 - Chip Pile																						

**KEY TO MATRIX**

- 1 -The regulations have applicable requirements that apply to this particular emission source.  
 -The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

**Blank – The regulations clearly do not apply to this type of emission source.**

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

ST. FRANCISVILLE MILL  
 AGENCY INTEREST NO.: 2073  
 TEMBEC USA, LLC  
 ST. FRANCISVILLE, WEST FELICIANA PARISH, LOUISIANA

**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
EQT 32	40 CFR 63 Subpart S – NESHAP for Pulp and Paper Industry [40 CFR 63.440]  EQTs 41-44	EXEMPT. Bleaching system does not use any chlorine or chlorinated compounds.  [40 CFR 63.445(a)]  Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.Chapter 51]
EQTs 45-53, 65, 66, 83-85, & ARE 6	Emission Standards for Particulate Matter [LAC 33:III.1301.B]	EXEMPT. Unit LDEQ makes a final determination of MACT for pulp and paper mills, major sources in the pulp and paper mill source category are exempt from state MACT. [LAC 33:III.5105.B.8]
EQTs 45-47, 53, 65, 66, & 83-85	Emission Standards for Sulfur Dioxide [LAC 33:III.1503]	DOES NOT APPLY. Facility is in the wood pulping industry. [LAC 33:III.1301.B]
EQT 53	40 CFR 60 Subpart BB – Standards of Performance for Kraft Pulp Mills [40 CFR 60.280]	EXEMPT. Units emit less than 250 tons of SO <sub>2</sub> per year. [LAC 33:III.1513.A]
EQTs 83-85	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.Chapter 51]	DOES NOT APPLY. No pollutant increases proposed for any pollutant to which a standard applies. [40 CFR 60.280(b)]  EXEMPT. Emissions from the combustion of Group 1 virgin fossil fuels are exempt. [LAC 33:III.5105.B.3.a]

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**ST. FRANCISVILLE MILL**  
**AGENCY INTEREST NO.: 2073**  
**TEMBECK USA, LLC**  
**ST. FRANCISVILLE, WEST FELICIANA PARISH, LOUISIANA**

**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
EQTs 4, 17- 21, 65, 66, & 86	Compliance Assurance Monitoring [40 CFR 64]	EXEMPT. Sources comply with a limitation or standard proposed by the Administrator after November 15, 1990. [40 CFR 64.2(b)(1)(i)]

The above table provides explanation for either the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

## **40 CFR PART 70 GENERAL CONDITIONS**

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
  1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
  2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
  3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

## 40 CFR PART 70 GENERAL CONDITIONS

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.  
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
  1. the date, place as defined in the permit, and time of sampling or measurements;
  2. the date(s) analyses were performed;
  3. the company or entity that performed the analyses;
  4. the analytical techniques or methods used;
  5. the results of such analyses; and
  6. the operating conditions as existing at the time of sampling or measurement.  
[Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate

## 40 CFR PART 70 GENERAL CONDITIONS

through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
  - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
  - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
  - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
  - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
  - 5. changes in emissions would not qualify as a significant modification; and
  - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
  - 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  - 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

## 40 CFR PART 70 GENERAL CONDITIONS

3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
    - a. Report by June 30 to cover January through March
    - b. Report by September 30 to cover April through June
    - c. Report by December 31 to cover July through September
    - d. Report by March 31 to cover October through December
  4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
  2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
  3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
  4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
  5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and

## 40 CFR PART 70 GENERAL CONDITIONS

6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated October 5, 2005, an updated application dated August 11, 2006, along with supplemental information dated September 22, 2006, and October 6, 2006.
- IV. This permit shall become invalid, for the sources not constructed, if:
  - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
  - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.  
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or

## LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.

- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
  - A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
    - 1. Report by June 30 to cover January through March
    - 2. Report by September 30 to cover April through June
    - 3. Report by December 31 to cover July through September
    - 4. Report by March 31 to cover October through December
  - D. Each report submitted in accordance with this condition shall contain the following information:
    - 1. Description of noncomplying emission(s);
    - 2. Cause of noncompliance;
    - 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;

## LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
  5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
  - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
  - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
  - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

1. Generally be less than 5 TPY
2. Be less than the minimum emission rate (MER)
3. Be scheduled daily, weekly, monthly, etc., or
4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:1.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division  
La. Dept. of Environmental Quality  
Post Office Box 4302  
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

**General Information**

**AI ID:** 2073 Tembec USA LLC - St Francisville Mill  
**Activity Number:** PER20050001  
**Permit Number:** 3160-00001-V3  
**Air - Title V Regular Permit Minor Mod**

Also Known As:	ID	Name	User Group	Start Date
	3160-00001	Tembec USA LLC	Air Permitting	07-19-2000
	3160-0003	Tembec USA LLC - St Francisville Mill	CDS Number	07-22-2002
	54-1237819	Federal Tax ID	Emission Inventory	03-03-2004
LAD041321431		Tembec USA LLC - St Francisville Mill	Federal Tax ID	12-07-1998
LA0003468	LPDES #	WPC State Permit Number	Hazardous Waste Notification	08-18-1980
WP1845			LPDES Permit #	06-25-2003
LA-2313-L01		Priority 2 Emergency Site	LWDPs Permit #	06-25-2003
5981		Radioactive Material License	Priority 2 Emergency Site	07-19-2006
GD-125-0732		X-Ray Registration Number	Radiation License Number	12-20-2000
W-125-133-9		Site ID #	Radiation X-ray Registration Number	11-21-1999
19823		Site ID #	Solid Waste Facility No.	08-17-2001
39122		Tembec USA LLC - St Francisville Mill	Solid Waste Facility No.	11-21-1999
		James River Paper Co Inc	TEMPO Merge	07-01-2001
		Toxic Emissions Data Inventory #	TEMPO Merge	11-19-2001
3160-0001		TRI #	Toxic Emissions Data Inventory #	01-01-1991
70775JMSRVENDOF		Water Quality Certification # Bridge Replacement	Toxic Release Inventory	07-08-2004
WQC RC 050413-11		James River II	Water Certification	05-10-2005
			Water Permitting	05-27-1993
			<b>Main FAX:</b> 9853362889	
			<b>Main Phone:</b> 2253362527	
Physical Location:		2105 Hwy 964 St. Francisville, LA 70775		
Mailing Address:		2105 Hwy 964 St. Francisville, LA 70775		
Location of Front Gate:		30° 42' 34" 5 hundredths latitude, 91° 19' 5" 52 hundredths longitude	Coordinate Method: GPS Code (Pseudo Range) Differential,	Coordinate Datum: NAD83
Related People:		<b>Name</b>	<b>Mailing Address</b>	<b>Relationship</b>
	K. L. Anderson	PO Box 218 St. Francisville, LA 707750218	2256353311 (WP)	Water Billing Party for
	James Blue	PO Box 218 St. Francisville, LA 70775	2256352530 (WP)	Radiation Safety Officer for
	James Blue	PO Box 218 St. Francisville, LA 70775	2253362897 (WF)	Radiation Safety Officer for
	James Blue	PO Box 218 St. Francisville, LA 70775	james.blue@tembec	Radiation Safety Officer for
	James Blue	PO Box 218 St. Francisville, LA 70775	2256352530 (WP)	Radiation License Billing Party for
	James Blue	PO Box 218 St. Francisville, LA 70775	james.blue@tembec	Radiation License Billing Party for
	James Blue	PO Box 218 St. Francisville, LA 70775	2253362897 (WF)	Radiation License Billing Party for
	Allen Byrd	PO Box 218 St. Francisville, LA 70775	2253362527 (WP)	Responsible Official for
	Cliff Janney	PO Box 218 St. Francisville, LA 707750218		Air Permit Contact For

General Information

AI ID: 2073 Tembec USA LLC - St Francisville Mill  
 Activity Number: PER20050001  
 Permit Number: 3160-00001-V3  
**Air - Title V Regular Permit Minor Mod**

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Cliff Janney	PO Box 218 St. Francisville, LA 707750218	CLIFF.JANNEY@TE	Air Permit Contact For
	Cliff Janney	PO Box 218 St. Francisville, LA 707750218	2253362527 (WP)	Radiation Contact For
	Cliff Janney	PO Box 218 St. Francisville, LA 707750218	CLIFF.JANNEY@TE	Accident Prevention Billing Party for
	Cliff Janney	PO Box 218 St. Francisville, LA 707750218	2253362527 (WP)	Accident Prevention Billing Party for
	Cliff Janney	PO Box 218 St. Francisville, LA 707750218	CLIFF.JANNEY@TE	Radiation Contact For
	Cliff Janney	PO Box 218 St. Francisville, LA 707750218	2253362527 (WP)	Emission Inventory Contact for
	Cliff Janney	PO Box 218 St. Francisville, LA 707750218	CLIFF.JANNEY@TE	Emission Inventory Contact for
	Cliff Janney	PO Box 218 St. Francisville, LA 707750218	2253362527 (WP)	Accident Prevention Contact for
	Cliff Janney	PO Box 218 St. Francisville, LA 707750218	CLIFF.JANNEY@TE	Accident Prevention Contact for
	Cliff Janney	PO Box 218 St. Francisville, LA 707750218	2253362527 (WP)	Radiation Registration Billing Party for
	Cliff Janney	PO Box 218 St. Francisville, LA 707750218	CLIFF.JANNEY@TE	Radiation Registration Billing Party for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Tembec USA LLC	2105 Hwy 964 St Francisville, LA 70775	2253362527 (WP)	Owns
	Tembec USA LLC	2105 Hwy 964 St Francisville, LA 70775	2253362527 (WP)	Operates
	Tembec USA LLC	2105 Hwy 964 St Francisville, LA 70775	2253362527 (WP)	Air Billing Party for

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

**INVENTORIES**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill  
 Activity Number: PER20050001  
 Permit Number: 3160-00001-V3  
 Air - Title V Regular Permit Minor Mod

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
St. Francisville Mill						
ARE0002	WT-01 - Wastewater Collection Chamber	270000 gallons		322022 tons/yr		8760 hr/yr (All Year)
ARE0003	WT-02 - North Clarifier	80000 bbl		322022 tons/yr		8760 hr/yr (All Year)
ARE0004	WT-03 - South Clarifier	80000 bbl		322022 tons/yr		8760 hr/yr (All Year)
ARE0005	WT-04 - Aeration Stabilization Basin (ASB)	883301 m^3		322022 tons/yr		8760 hr/yr (All Year)
ARE0006	WY-01 - Chip Pile					8760 hr/yr (All Year)
EQT0004	BP-01 - Bleach Plant Roof Scrubber	40 tons/hr	34.58 tons/hr			8568 hr/yr (All Year)
EQT0005	BP-02 - Bleach Plant Washer Vent	40 tons/hr	34.58 tons/hr			8568 hr/yr (All Year)
EQT0006	BP-10 - HD Pulp Storage Chest No. 10	35000 gallons				8760 hr/yr (All Year)
EQT0007	BP-11 - HD Pulp Storage Chest No. 11	35000 gallons				8760 hr/yr (All Year)
EQT0008	BP-12 - HD Pulp Storage Chest No. 12	35000 gallons				8760 hr/yr (All Year)
EQT0009	BP-13 - HD Pulp Storage Chest No. 13	35000 gallons				8760 hr/yr (All Year)
EQT0010	BP-14 - HD Pulp Storage Chest No. 14	35000 gallons				8760 hr/yr (All Year)
EQT0011	BP-15 - HD Pulp Storage Chest No. 15	87000 gallons				8760 hr/yr (All Year)
EQT0012	BP-20 - LD Pulp Storage Chest No. 20			6000 tons/day		8760 hr/yr (All Year)
EQT0013	BP-21 - LD Pulp Storage Chest No. 21	6000 gallons				8760 hr/yr (All Year)
EQT0014	BP-22 - LD Pulp Storage Chest No. 22	6000 gallons				8760 hr/yr (All Year)
EQT0015	BP-23 - LD Pulp Storage Chest No. 23	6000 gallons				8760 hr/yr (All Year)
EQT0016	BP-24 - LD Pulp Storage Chest No. 24	6000 gallons				8760 hr/yr (All Year)
EQT0017	KM-01 - Brown Stock Washer Vent			38 tons/hr		8568 hr/yr (All Year)
EQT0018	KM-02 - Foam Breaker Tank	2500 gallons				8760 hr/yr (All Year)
EQT0019	KM-04 - Filtrate Tank No. 1	237000 gallons				8760 hr/yr (All Year)
EQT0020	KM-05 - Filtrate Tank No. 2	237000 gallons				8760 hr/yr (All Year)
EQT0021	KM-08 - Washed Stock Chest	41458 gallons				8760 hr/yr (All Year)
EQT0022	KM-09 - LD Unbleached Pulp Chest No. 1	6000 gallons				8760 hr/yr (All Year)
EQT0023	KM-10 - LD Unbleached Pulp Chest No. 2	6000 gallons				8760 hr/yr (All Year)
EQT0024	KM-11 - HD Unbleached Pulp Chest No. 3	35000 gallons				8760 hr/yr (All Year)
EQT0025	KM-12 - HD Unbleached Pulp Chest No. 4	35000 gallons				8760 hr/yr (All Year)
EQT0026	KM-13 - HD Unbleached Pulp Chest No. 5	35000 gallons				8760 hr/yr (All Year)
EQT0027	PGW-01 - Blow Cyclone Heat Recovery Vent		13.5 tons/hr			8568 hr/yr (All Year)
EQT0028	PGW-02 - Grinder Air Lock Vent		13.5 tons/hr			8568 hr/yr (All Year)
EQT0029	PGW-03 - Rejects Refiner Vent		13.5 tons/hr			8568 hr/yr (All Year)
EQT0030	PGW-04 - Decker Vent		13.5 tons/hr			8568 hr/yr (All Year)
EQT0031	PGW-05 - Clear White Water Chest Vent		13.5 tons/hr			8760 hr/yr (All Year)
EQT0032	PGW-06 - Groundwood Bleach Tower	50 gallons		13.5 tons/hr		8760 hr/yr (All Year)
EQT0033	PGW-07 - Pressure Disk Filter Chest Vent					8568 hr/yr (All Year)
EQT0034	PGW-08 - LD Bleach Tower Storage	7200 gallons				8760 hr/yr (All Year)
EQT0035	PGW-09 - Groundwood Chest No. 3	12000 gallons				8760 hr/yr (All Year)
EQT0036	PGW-10 - Groundwood Chest No. 6	24000 gallons				8760 hr/yr (All Year)
EQT0037	PGW-11 - Bleached Kraft Chest No. 1	12000 gallons				8760 hr/yr (All Year)
EQT0038	PGW-12 - Bleached Kraft Chest No. 2	12000 gallons				8760 hr/yr (All Year)

**INVENTORIES**

AID: 2073 - Tembec USA LLC - St Francisville Mill  
 Activity Number: PER2005001  
 Permit Number: 3160-00001-V3  
 Air - Title V Regular Permit Minor Mod

## Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>St. Francisville Mill</b>						
EQT0039	PGW-13 - Broke Chest No. 4	9600 gallons				8760 hr/yr (All Year)
EQT0040	PGW-14 - Broke Chest No. 5	12000 gallons	30 tons/hr	192959 tons/yr		8760 hr/yr (All Year)
EQT0041	PM-01 - Paper Machine No. 1		28 tons/hr	176537 tons/yr		8568 hr/yr (All Year)
EQT0042	PM-02 - Paper Machine No. 2		15 tons/hr	102816 tons/yr		8568 hr/yr (All Year)
EQT0043	PM-03 - Paper Machine No. 3		7 tons/hr			8568 hr/yr (All Year)
EQT0044	PM-04 - Paper Machine No. 3			25 MM BTU/hr		8568 hr/yr (All Year)
EQT0045	PM-1D - Paper Machine No. 1 Dryer			37 MM BTU/hr		8568 hr/yr (All Year)
EQT0046	PM-2D - Paper Machine No. 2 Dryer			8 MM BTU/hr		8568 hr/yr (All Year)
EQT0047	PM-4D - Paper Machine No. 4 Dryer			.5 tons/hr		8568 hr/yr (All Year)
EQT0048	PMRP - Supercalendar Repulper	1000 ft^3				80 hr/yr (All Year)
EQT0049	SCP-01 - South Coating Plant Starch Silo 1	1000 ft^3				80 hr/yr (All Year)
EQT0050	SCP-02 - South Coating Plant Starch Silo 2	1000 ft^3				80 hr/yr (All Year)
EQT0051	SCP-03 - South Coating Plant Starch Silo 3	1000 ft^3				66 hr/yr (All Year)
EQT0052	NCP-01 - North Coating Plant Starch Silo 4	1000 ft^3				8400 hr/yr (All Year)
EQT0053	RC-01 - Lime Kiln		11 tons/hr	8.33 tons/hr		8760 hr/yr (All Year)
EQT0054	RC-03 - Green Liquor Clarifier			9.75 tons/hr		8760 hr/yr (All Year)
EQT0055	RC-04 - Green Liquor Storage No. 1	90860 gallons				8760 hr/yr (All Year)
EQT0056	RC-05 - Green Liquor Storage No. 2	167625 gallons		9.75 tons/hr		8148 hr/yr (All Year)
EQT0057	RC-06 - Slaker					8148 hr/yr (All Year)
EQT0058	RC-07 - Causticizer No. 1	11700 gallons				8148 hr/yr (All Year)
EQT0059	RC-08 - Causticizer No. 2	11700 gallons				8148 hr/yr (All Year)
EQT0060	RC-09 - Causticizer No. 3	11700 gallons				8148 hr/yr (All Year)
EQT0061	RC-10 - Causticizer No. 4	11700 gallons				8148 hr/yr (All Year)
EQT0062	RC-11 - Causticizer Sump	11700 gallons				8568 hr/yr (All Year)
EQT0063	RC-13 - Returned Lime Silo			9.75 tons/hr		8760 hr/yr (All Year)
EQT0064	RC-14 - Fresh Lime Silo			9.75 tons/hr		8568 hr/yr (All Year)
EQT0065	RF-01 - NDCE Recovery Furnace			116660 lb/hr		8568 hr/yr (All Year)
EQT0066	RF-02 - Smelt Dissolving Tank			116660 lb/hr		8568 hr/yr (All Year)
EQT0067	RF-03 - Salt Cake Mix Tank			116660 lb/hr		8760 hr/yr (All Year)
EQT0068	RF-04 - Weak Black Liquor Tank No. 3	40000 bbl				8760 hr/yr (All Year)
EQT0069	RF-05 - North Weak Black Liquor Tank	230300 gallons				8760 hr/yr (All Year)
EQT0070	RF-06 - South Weak Black Liquor Tank	230300 gallons				8760 hr/yr (All Year)
EQT0071	RF-07 - Intermediate Black Liquor Tank No. 1	112900 gallons				8760 hr/yr (All Year)
EQT0072	RF-08 - Intermediate Black Liquor Tank No. 2	112900 gallons				8760 hr/yr (All Year)
EQT0073	RF-09 - Intermediate Black Liquor Tank No. 3	42300 gallons				8760 hr/yr (All Year)
EQT0074	RF-10 - Intermediate Black Liquor Tank No. 4	112900 gallons				8760 hr/yr (All Year)
EQT0075	RF-11 - North Fuel Black Liquor Tank	92600 gallons				8760 hr/yr (All Year)
EQT0076	RF-12 - South Fuel Black Liquor Tank	92600 gallons				8568 hr/yr (All Year)
EQT0077	TO-01 - Tall Oil Reactor	23800 gallons				8568 hr/yr (All Year)
EQT0078	TO-02 - Tall Oil Decant	23480 gallons				8760 hr/yr (All Year)

INVENTORIES

**AI ID: 2073 - Tembec USA LLC - St Francisville Mill**  
**Activity Number: PER20050001**  
**Permit Number: 31160-00001-V3**  
**Air - Title V Regular Permit Minor Mod**

## Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time	
<b>St. Francisville Mill</b>							
EQT0079	TO-03 - Tall Oil Storage No. 1	23480 gallons				8760 hr/yr (All Year)	
EQT0080	TO-04 - Tall Oil Storage No. 2	23480 gallons				8760 hr/yr (All Year)	
EQT0081	TO-05 - Soap Storage Tank	1200000 gallons				8760 hr/yr (All Year)	
EQT0082	TO-06 - Spent Acid Tank	28800 gallons				8760 hr/yr (All Year)	
EQT0083	UT-01 - Power Boiler No. 1			105 MM BTU/hr		960 hr/yr (All Year)	
EQT0084	UT-02 - Power Boiler No. 4			.32 MM ft <sup>3</sup> /hr		8760 hr/yr (All Year)	
EQT0085	UT-06 - Power Boiler No. 6			.350 MM BTU/hr		8760 hr/yr (All Year)	
EQT0086	LVHC - LVHC Vents					8760 hr/yr (All Year)	
EQT0087	Pulping Condensates - Pulping Condensates					8760 hr/yr (All Year)	
EQT0088	RC-15 - Pet Coke Silo Baghouse					8400 hr/yr (All Year)	
EQT0089	GT-01 - No. 1 Gasoline Storage Tank	2000 gallons		2500 ft <sup>3</sup> /min		8760 hr/yr (All Year)	
EQT0090	GT-02 - No. 2 Gasoline Storage Tank	6000 gallons		15000 gallons/yr		8760 hr/yr (All Year)	
EQT0091	HA-01 - No. 1 Hydrochloric Acid Tank	4136 gallons		10644 gallons/yr		8760 hr/yr (All Year)	
EQT0092	HA-02 - No. 2 Hydrochloric Acid Tank	1880 gallons		7987 gallons/yr		8760 hr/yr (All Year)	
EQT0093	SA-01 - No. 1 Sulfuric Acid Tank	20305 gallons		2,53 MM gallons/yr		8760 hr/yr (All Year)	
EQT0094	SA-02 - No. 2 Sulfuric Acid Tank	5875 gallons		14769 gallons/yr		8760 hr/yr (All Year)	
EQT0095	SA-03 - No. 3 Sulfuric Acid Tank	13384 gallons		256820 gallons/yr		8760 hr/yr (All Year)	
EQT0096	SA-04 - No. 4 Sulfuric Acid Tank	3807 gallons		76732 gallons/yr		8760 hr/yr (All Year)	
EQT0097	SA-05 - No. 5 Spent Sulfuric Acid Tank	7050 gallons		11.48 MM gallons/yr		8760 hr/yr (All Year)	
FUG0001	BP-03 - Bleach Plant Fugitives		40 tons/hr	34.58 tons/hr		8568 hr/yr (All Year)	
FUG0002	KM-07 - Fugitives			33.12 tons/hr		8760 hr/yr (All Year)	
FUG0003	RC-12 - Fugitives			33.12 tons/hr		8760 hr/yr (All Year)	
FUG0003	RC-12 - Fugitives			33.12 tons/hr		8760 hr/yr (All Year)	
<b>Stack Information:</b>							
ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
<b>St. Francisville Mill</b>							
EQT0004	BP-01 - Bleach Plant Roof Scrubber	29.2	4580	2		140	110
EQT0005	BP-02 - Bleach Plant Washer Vent	45.45	19280	3		109.5	114
EQT0017	KM-01 - Brown Stock Washer Vent						
EQT0027	PGW-01 - Blow Cyclone Heat Recovery Vent	2	1120	3.5		65	200
EQT0028	PGW-02 - Grinder Air Lock Vent	9.17	2700	2.5		55	120
EQT0029	PGW-03 - Rejects Refiner Vent	10.5	4480	3		55	145
EQT0030	PGW-04 - Becker Vent	.37	158	3		60	805
EQT0031	PGW-05 - Clear White Water Chest Vent		61				190
EQT0032	PGW-06 - Groundwood Bleach Tower					75	100
EQT0033	PGW-07 - Pressure Disk Filter Chest Vent						155
<b>2410</b>							

INVENTORIES

**AI ID: 2073 - Tembec USA LLC - St Francisville Mill**  
**Activity Number: PER20050001**  
**Permit Number: 3160-00001-V3**  
**Air - Title V Regular Permit Minor Mod**

## Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
<b>St. Francisville Mill</b>							
EQT0034	PGW-08 - LD Bleach Tower Storage					75	100
EQT0035	PGW-09 - Groundwood Chest No. 3					75	100
EQT0036	PGW-10 - Groundwood Chest No. 6					75	100
EQT0037	PGW-11 - Bleached Kraft Chest No. 1						
EQT0038	PGW-12 - Bleached Kraft Chest No. 2						
EQT0039	PGW-13 - Broke Chest No. 4						
EQT0040	PGW-14 - Broke Chest No. 5						
EQT0041	PM-01 - Paper Machine No. 1					95	120
EQT0042	PM-02 - Paper Machine No. 2					95	120
EQT0043	PM-03 - Paper Machine No. 3					75	120
EQT0044	PM-04 - Paper Machine No. 3					75	120
EQT0045	PM-1D - Paper Machine No. 1 Dryer					95	140
EQT0046	PM-2D - Paper Machine No. 2 Dryer					95	140
EQT0047	PM-4D - Paper Machine No. 4 Dryer					70	120
EQT0048	PMRP - Supercalender Repulper					115	85
EQT0053	RC-01 - Lime Kiln	22.75	23580	5.2		65	178
EQT0054	RC-03 - Green Liquor Clarifier						
EQT0055	RC-04 - Green Liquor Storage No. 1						
EQT0056	RC-05 - Green Liquor Storage No. 2						
EQT0057	RC-06 - Slaker						
EQT0058	RC-07 - Causticizer No. 1						
EQT0059	RC-08 - Causticizer No. 2						
EQT0060	RC-09 - Causticizer No. 3						
EQT0061	RC-10 - Causticizer No. 4						
EQT0062	RC-11 - Causticizer Sump						
EQT0065	RF-01 - NDCE Recovery Furnace						
EQT0066	RF-02 - Smelt Dissolving Tank						
EQT0067	RF-03 - Salt Cake Mix Tank						
EQT0068	RF-04 - Weak Black Liquor Tank No. 3						
EQT0069	RF-05 - North Weak Black Liquor Tank						
EQT0070	RF-06 - South Weak Black Liquor Tank						
EQT0071	RF-07 - Intermediate Black Liquor Tank No. 1						
EQT0072	RF-08 - Intermediate Black Liquor Tank No. 2						
EQT0073	RF-09 - Intermediate Black Liquor Tank No. 3						

INVENTORIES

AI ID: 2073 - Tembec USA LLC - St Francisville Mill  
 Activity Number: PER20050001  
 Permit Number: 3160-00001-V3  
 Air - Title V Regular Permit Minor Mod

## Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
<b>St. Francisville Mill</b>							
EQT0074	RF-10 - Intermediate Black Liquor Tank No. 4						
EQT0075	RF-11 - North Fuel Black Liquor Tank						
EQT0076	RF-12 - South Fuel Black Liquor Tank						
EQT0077	TO-01 - Tail Oil Reactor						
EQT0078	TO-02 - Tail Oil Decant						
EQT0079	TO-03 - Tail Oil Storage No. 1						
EQT0080	TO-04 - Tail Oil Storage No. 2						
EQT0081	TO-05 - Soap Storage Tank						
EQT0082	TO-06 - Spent Acid Tank						
EQT0083	UT-01 - Power Boiler No. 1	42	59900	5.5		110	380
EQT0084	UT-02 - Power Boiler No. 4	28	123000	10.5		140	295
EQT0085	UT-06 - Power Boiler No. 6	29	110250	9		66.5	350
EQT0086	LVHC - LVHC Vents						
EQT0087	Pulping Condensates - Pulping Condensates						
EQT0088	RC-15 - Pet Coke Silo Baghouse	53	2500	1		150	
FUG0001	BP-03 - Bleach Plant Fugitives					30	90
FUG0002	KM-07 - Fugitives					45	90
FUG0003	RC-12 - Fugitives						
FUG0003	RC-12 - Fugitives						

## Relationships:

ID	Description	Relationship	ID	Description
EQT0017	KM-01 - Brown Stock Washer Vent	Controlled by	EQT0065	RF-01 - NDCE Recovery Fumace
EQT0018	KM-02 - Foam Breaker Tank	Controlled by	EQT0065	RF-01 - NDCE Recovery Fumace
EQT0019	KM-04 - Filtrate Tank No. 1	Controlled by	EQT0065	RF-01 - NDCE Recovery Fumace
EQT0020	KM-05 - Filtrate Tank No. 2	Controlled by	EQT0065	RF-01 - NDCE Recovery Fumace
EQT0021	KM-08 - Washed Stock Chest	Controlled by	EQT0065	RF-01 - NDCE Recovery Fumace
EQT0086	LVHC - LVHC Vents	Controlled by	EQT0065	RF-01 - NDCE Recovery Fumace
GRP0011	HVLC Vents	Controlled by	EQT0065	RF-01 - NDCE Recovery Fumace

## Subject Item Groups:

ID	Group Type	Group Description
GRP0002	Equipment Group	-
GRP0003	Equipment Group	-
GRP0004	Equipment Group	-

**INVENTORIES**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill  
 Activity Number: PER20050001  
 Permit Number: 3160-00001-V3  
 Air - Title V Regular Permit Minor Mod

**Subject Item Groups:**

ID	Group Type	Group Description
GRP0005	Equipment Group	-
GRP0006	Equipment Group	-
GRP0007	Equipment Group	-
GRP0008	Equipment Group	-
GRP0009	Equipment Group	-
GRP0010	Equipment Group	-
GRP0011	Equipment Group	-
GRP0013	Permitted Total	-
GRP0014	Equipment Group	-

**Group Membership:**

ID	Description	Member of Groups
ARE0002	WT-01 - Wastewater Collection Chamber	GRP0000000010, GRP0000000013
ARE0003	WT-02 - North Clarifier	GRP0000000010, GRP0000000013
ARE0004	WT-03 - South Clarifier	GRP0000000010, GRP0000000013
ARE0005	WT-04 - Aeration Stabilization Basin (ASB)	GRP0000000010, GRP0000000013
ARE0006	WY-01 - Chip Pile	GRP0000000013
EQT0004	BP-01 - Bleach Plant Roof Scrubber	GRP0000000002, GRP0000000013
EQT0005	BP-02 - Bleach Plant Washer Vent	GRP0000000002, GRP0000000013
EQT0006	BP-10 - HD Pulp Storage Chest No. 10	GRP0000000002, GRP0000000013
EQT0007	BP-11 - HD Pulp Storage Chest No. 11	GRP0000000002, GRP0000000013
EQT0008	BP-12 - HD Pulp Storage Chest No. 12	GRP0000000002, GRP0000000013
EQT0009	BP-13 - HD Pulp Storage Chest No. 13	GRP0000000002, GRP0000000013
EQT0010	BP-14 - HD Pulp Storage Chest No. 14	GRP0000000002, GRP0000000013
EQT0011	BP-15 - HD Pulp Storage Chest No. 15	GRP0000000002, GRP0000000013
EQT0012	BP-20 - LD Pulp Storage Chest No. 20	GRP0000000002, GRP0000000013
EQT0013	BP-21 - LD Pulp Storage Chest No. 21	GRP0000000002, GRP0000000013
EQT0014	BP-22 - LD Pulp Storage Chest No. 22	GRP0000000002, GRP0000000013
EQT0015	BP-23 - LD Pulp Storage Chest No. 23	GRP0000000002, GRP0000000013
EQT0016	BP-24 - LD Pulp Storage Chest No. 24	GRP0000000003, GRP0000000011, GRP0000000013
EQT0017	KM-01 - Brown Stock Washer Vent	GRP0000000003, GRP0000000011, GRP0000000013
EQT0018	KM-02 - Foam Breaker Tank	GRP0000000003, GRP0000000011, GRP0000000013
EQT0019	KM-04 - Filtrate Tank No. 1	GRP0000000003, GRP0000000011, GRP0000000013
EQT0020	KM-05 - Filtrate Tank No. 2	GRP0000000003, GRP0000000011, GRP0000000013
EQT0021	KM-08 - Washed Stock Chest	GRP0000000003, GRP0000000011, GRP0000000013
EQT0022	KM-09 - LD Unbleached Pulp Chest No. 1	GRP0000000003, GRP0000000013
EQT0023	KM-10 - LD Unbleached Pulp Chest No. 2	GRP0000000003, GRP0000000013
EQT0024	KM-11 - HD Unbleached Pulp Chest No. 3	GRP0000000003, GRP0000000013
EQT0025	KM-12 - HD Unbleached Pulp Chest No. 4	GRP0000000003, GRP0000000013
EQT0026	KM-13 - HD Unbleached Pulp Chest No. 5	GRP0000000003, GRP0000000013
EQT0027	PGW-01 - Blow Cyclone Heat Recovery Vent	GRP0000000004, GRP0000000013

INVENTORIES

**AI ID: 2073 - Tembec USA LLC - St Francisville Mill**  
**Activity Number: PIER20050001**  
**Permit Number: 3160-00001-V3**  
**Air - Title V Regular Permit Minor Mod**

## Group Membership:

Group Membership:	ID	Description	Member of Groups
	EQT0028	PGW-02 - Grinder Air Lock Vent	GRP0000000004, GRP0000000013
	EQT0029	PGW-03 - Rejects Refiner Vent	GRP0000000004, GRP0000000013
	EQT0030	PGW-04 - Decker Vent	GRP0000000004, GRP0000000013
	EQT0031	PGW-05 - Clear White Water Chest Vent	GRP0000000004, GRP0000000013
	EQT0032	PGW-06 - Groundwood Bleach Tower	GRP0000000004, GRP0000000013
	EQT0033	PGW-07 - Pressure Disk Filter Chest Vent	GRP0000000004, GRP0000000013
	EQT0034	PGW-08 - LD Bleach Tower Storage	GRP0000000004, GRP0000000013
	EQT0035	PGW-09 - Groundwood Chest No. 3	GRP0000000004, GRP0000000013
	EQT0036	PGW-10 - Groundwood Chest No. 6	GRP0000000004, GRP0000000013
	EQT0037	PGW-11 - Bleached Kraft Chest No. 1	GRP0000000004, GRP0000000013
	EQT0038	PGW-12 - Bleached Kraft Chest No. 2	GRP0000000004, GRP0000000013
	EQT0039	PGW-13 - Broke Chest No. 4	GRP0000000004, GRP0000000013
	EQT0040	PGW-14 - Broke Chest No. 5	GRP0000000005, GRP0000000013
	EQT0041	PM-01 - Paper Machine No. 1	GRP0000000005, GRP0000000013
	EQT0042	PM-02 - Paper Machine No. 2	GRP0000000005, GRP0000000013
	EQT0043	PM-03 - Paper Machine No. 3	GRP0000000005, GRP0000000013
	EQT0044	PM-04 - Paper Machine No. 3	GRP0000000005, GRP0000000013
	EQT0045	PM-1D - Paper Machine No. 1 Dyer	GRP0000000005, GRP0000000013
	EQT0046	PM-2D - Paper Machine No. 2 Dyer	GRP0000000005, GRP0000000013
	EQT0047	PM-4D - Paper Machine No. 4 Dyer	GRP0000000005, GRP0000000013
	EQT0048	PMRP - Supercalendar Repulper	GRP0000000005, GRP0000000013
	EQT0049	SCP-01 - South Coating Plant Starch Silo 1	GRP0000000005, GRP0000000014
	EQT0050	SCP-02 - South Coating Plant Starch Silo 2	GRP0000000005, GRP0000000014
	EQT0051	SCP-03 - South Coating Plant Starch Silo 3	GRP0000000005, GRP0000000014
	EQT0052	NCP-01 - North Coating Plant Starch Silo 4	GRP0000000005, GRP0000000014
	EQT0053	RC-01 - Lime Kiln	GRP0000000006, GRP0000000013
	EQT0054	RC-03 - Green Liquor Clarifier	GRP0000000006, GRP0000000013
	EQT0055	RC-04 - Green Liquor Storage No. 1	GRP0000000006, GRP0000000013
	EQT0056	RC-05 - Green Liquor Storage No. 2	GRP0000000006, GRP0000000013
	EQT0057	RC-06 - Slaker	GRP0000000006, GRP0000000013
	EQT0058	RC-07 - Causticizer No. 1	GRP0000000006, GRP0000000013
	EQT0059	RC-08 - Causticizer No. 2	GRP0000000006, GRP0000000013
	EQT0060	RC-09 - Causticizer No. 3	GRP0000000006, GRP0000000013
	EQT0061	RC-10 - Causticizer No. 4	GRP0000000006, GRP0000000013
	EQT0062	RC-11 - Causticizer Sump	GRP0000000006, GRP0000000013
	EQT0063	RC-13 - Reburned Lime Silo	GRP0000000006, GRP0000000013
	EQT0064	RC-14 - Fresh Lime Silo	GRP0000000006, GRP0000000013
	EQT0065	RF-01 - NDGE Recovery Furnace	GRP0000000007, GRP0000000013
	EQT0066	RF-02 - Smelt Dissolving Tank	GRP0000000007, GRP0000000013
	EQT0067	RF-03 - Salt Cake Mix Tank	GRP0000000007, GRP0000000013
	EQT0068	RF-04 - Weak Black Liquor Tank No. 3	GRP0000000007, GRP0000000013
	EQT0069	RF-05 - North Weak Black Liquor Tank	GRP0000000007, GRP0000000013
	EQT0070	RF-06 - South Weak Black Liquor Tank	GRP0000000007, GRP0000000013

**INVENTORIES**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill  
 Activity Number: PER20050001  
 Permit Number: 3160-000001-V3  
 Air - Title V Regular Permit Minor Mod

**Group Membership:**

Group Membership:	ID	Description	Member of Groups
EQT0071	RF-07 - Intermediate Black Liquor Tank No. 1	GRP00000000007, GRP00000000013	
EQT0072	RF-08 - Intermediate Black Liquor Tank No. 2	GRP00000000007, GRP00000000013	
EQT0073	RF-09 - Intermediate Black Liquor Tank No. 3	GRP00000000007, GRP00000000013	
EQT0074	RF-10 - Intermediate Black Liquor Tank No. 4	GRP00000000007, GRP00000000013	
EQT0075	RF-11 - North Fuel Black Liquor Tank	GRP00000000007, GRP00000000013	
EQT0076	RF-12 - South Fuel Black Liquor Tank	GRP00000000007, GRP00000000013	
EQT0077	TO-01 - Tall Oil Reactor	GRP00000000008, GRP00000000013	
EQT0078	TO-02 - Tall Oil Decant	GRP00000000008, GRP00000000013	
EQT0079	TO-03 - Tall Oil Storage No. 1	GRP00000000008, GRP00000000013	
EQT0080	TO-04 - Tall Oil Storage No. 2	GRP00000000008, GRP00000000013	
EQT0081	TO-05 - Soap Storage Tank	GRP00000000008, GRP00000000013	
EQT0082	TO-06 - Spent Acid Tank	GRP00000000008, GRP00000000013	
EQT0083	UT-01 - Power Boiler No. 1	GRP00000000009, GRP00000000013	
EQT0084	UT-02 - Power Boiler No. 4	GRP00000000009, GRP00000000013	
EQT0085	UT-06 - Power Boiler No. 6	GRP00000000009, GRP00000000013	
EQT0086	LVHC - LVHC Vents	GRP00000000013	
EQT0087	Pulping Condensates - Pulping Condensates	GRP00000000013	
EQT0088	RC-15 - Pet Coke Silo Baghouse	GRP00000000013, GRP00000000014	
EQT0089	GT-01 - No. 1 Gasoline Storage Tank	GRP00000000013	
EQT0090	GT-02 - No. 2 Gasoline Storage Tank	GRP00000000013	
EQT0091	HA-01 - No. 1 Hydrochloric Acid Tank	GRP00000000013	
EQT0092	HA-02 - No. 2 Hydrochloric Acid Tank	GRP00000000013	
EQT0093	SA-01 - No. 1 Sulfuric Acid Tank	GRP00000000013	
EQT0094	SA-02 - No. 2 Sulfuric Acid Tank	GRP00000000013	
EQT0095	SA-03 - No. 3 Sulfuric Acid Tank	GRP00000000013	
EQT0096	SA-04 - No. 4 Sulfuric Acid Tank	GRP00000000013	
EQT0097	SA-05 - No. 5 Spent Sulfuric Acid Tank	GRP00000000013	
FUG0001	BP-03 - Bleach Plant Fugitives	GRP0000000002, GRP00000000013	
FUG0002	KM-07 - Fugitives	GRP0000000003, GRP00000000013	
FUG0003	RC-12 - Fugitives	GRP0000000006, GRP00000000013	
GRP0002	-	GRP00000000013	
GRP0003	-	GRP00000000013	
GRP0004	-	GRP00000000013	
GRP0005	-	GRP00000000013	
GRP0006	-	GRP00000000013	
GRP0007	-	GRP00000000013	
GRP0008	-	GRP00000000013	
GRP0009	-	GRP00000000013	
GRP0010	-	GRP00000000013	
GRP0011	-	GRP00000000013	
GRP0014	-	GRP00000000013	

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

INVENTORIES

AI ID: 2073 - Tembec USA LLC - St Francisville Mill  
 Activity Number: PER2005001  
 Permit Number: 3160-00001-V3  
 Air - Title V Regular Permit Minor Mod

## Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0340	Paper Mill (Rated Capacity)	19720	Ton/Day

## SIC Codes:

2611	Pulp mills	A12073
2611	Pulp mills	ARE002
2611	Pulp mills	ARE003
2611	Pulp mills	ARE004
2611	Pulp mills	ARE005
2611	Pulp mills	ARE006
2611	Pulp mills	EQT004
2611	Pulp mills	EQT005
2611	Pulp mills	EQT006
2611	Pulp mills	EQT007
2611	Pulp mills	EQT008
2611	Pulp mills	EQT009
2611	Pulp mills	EQT010
2611	Pulp mills	EQT011
2611	Pulp mills	EQT012
2611	Pulp mills	EQT013
2611	Pulp mills	EQT014
2611	Pulp mills	EQT015
2611	Pulp mills	EQT016
2611	Pulp mills	EQT017
2611	Pulp mills	EQT018
2611	Pulp mills	EQT019
2611	Pulp mills	EQT020
2611	Pulp mills	EQT021
2611	Pulp mills	EQT022
2611	Pulp mills	EQT023
2611	Pulp mills	EQT024
2611	Pulp mills	EQT025
2611	Pulp mills	EQT026
2611	Pulp mills	EQT027
2611	Pulp mills	EQT028
2611	Pulp mills	EQT029
2611	Pulp mills	EQT030
2611	Pulp mills	EQT031
2611	Pulp mills	EQT032
2611	Pulp mills	EQT033
2611	Pulp mills	EQT034
2611	Pulp mills	EQT035
2611	Pulp mills	EQT036
2611	Pulp mills	EQT037

INVENTORIES

AI ID: 2073 - Tembec USA LLC - St Francisville Mill  
 Activity Number: PER20050001  
 Permit Number: 3160-00001-Y3  
 Air - Title V Regular Permit Minor Mod

SIC Codes:	Pulp mills			
2611	Pulp mills		EQT038	
2611	Pulp mills		EQT039	
2611	Pulp mills		EQT040	
2611	Pulp mills		EQT041	
2611	Pulp mills		EQT042	
2611	Pulp mills		EQT043	
2611	Pulp mills		EQT044	
2611	Pulp mills		EQT045	
2611	Pulp mills		EQT046	
2611	Pulp mills		EQT047	
2611	Pulp mills		EQT048	
2611	Pulp mills		EQT049	
2611	Pulp mills		EQT050	
2611	Pulp mills		EQT051	
2611	Pulp mills		EQT052	
2611	Pulp mills		EQT053	
2611	Pulp mills		EQT054	
2611	Pulp mills		EQT055	
2611	Pulp mills		EQT056	
2611	Pulp mills		EQT057	
2611	Pulp mills		EQT058	
2611	Pulp mills		EQT059	
2611	Pulp mills		EQT060	
2611	Pulp mills		EQT061	
2611	Pulp mills		EQT062	
2611	Pulp mills		EQT063	
2611	Pulp mills		EQT064	
2611	Pulp mills		EQT065	
2611	Pulp mills		EQT066	
2611	Pulp mills		EQT067	
2611	Pulp mills		EQT068	
2611	Pulp mills		EQT069	
2611	Pulp mills		EQT070	
2611	Pulp mills		EQT071	
2611	Pulp mills		EQT072	
2611	Pulp mills		EQT073	
2611	Pulp mills		EQT074	
2611	Pulp mills		EQT075	
2611	Pulp mills		EQT076	
2611	Pulp mills		EQT077	
2611	Pulp mills		EQT078	
2611	Pulp mills		EQT079	
2611	Pulp mills		EQT080	
2611	Pulp mills		EQT081	

INVENTORIES

**AID: 2073 - Ternbec USA LLC - St Francisville Mill**  
**Activity Number: PER20050001**  
**Permit Number: 3160-00001-V3**  
**Air - Title V Regular Permit Minor Mod**

SIC Codes:	Pulp mills		EQT082
2611	Pulp mills		EQT083
2611	Pulp mills		EQT084
2611	Pulp mills		EQT085
2611	Pulp mills		EQT086
2611	Pulp mills		EQT087
2611	Pulp mills	FUG001	
2611	Pulp mills	FUG002	
2611	Pulp mills	FUG003	
2611	Pulp mills	GRP013	
2621	Paper mills	AJ2073	
2621	Paper mills	ARE002	
2621	Paper mills	ARE003	
2621	Paper mills	ARE004	
2621	Paper mills	ARE005	
2621	Paper mills	ARE006	
2621	Paper mills	EQT004	
2621	Paper mills	EQT005	
2621	Paper mills	EQT006	
2621	Paper mills	EQT007	
2621	Paper mills	EQT008	
2621	Paper mills	EQT009	
2621	Paper mills	EQT010	
2621	Paper mills	EQT011	
2621	Paper mills	EQT012	
2621	Paper mills	EQT013	
2621	Paper mills	EQT014	
2621	Paper mills	EQT015	
2621	Paper mills	EQT016	
2621	Paper mills	EQT017	
2621	Paper mills	EQT018	
2621	Paper mills	EQT019	
2621	Paper mills	EQT020	
2621	Paper mills	EQT021	
2621	Paper mills	EQT022	
2621	Paper mills	EQT023	
2621	Paper mills	EQT024	
2621	Paper mills	EQT025	
2621	Paper mills	EQT026	
2621	Paper mills	EQT027	
2621	Paper mills	EQT028	
2621	Paper mills	EQT029	
2621	Paper mills	EQT030	
2621	Paper mills	EQT031	

INVENTORIES

**AI ID: 2073 - Tembec USA LLC - St Francisville Mill**  
**Activity Number: PER20050001**  
**Permit Number: 3160-00001-V3**  
**Air - Title V Regular Permit Minor Mod**

SIC Codes:	Paper mills		EQT032
2621	Paper mills		EQT033
2621	Paper mills		EQT034
2621	Paper mills		EQT035
2621	Paper mills		EQT036
2621	Paper mills		EQT037
2621	Paper mills		EQT038
2621	Paper mills		EQT039
2621	Paper mills		EQT040
2621	Paper mills		EQT041
2621	Paper mills		EQT042
2621	Paper mills		EQT043
2621	Paper mills		EQT044
2621	Paper mills		EQT045
2621	Paper mills		EQT046
2621	Paper mills		EQT047
2621	Paper mills		EQT048
2621	Paper mills		EQT049
2621	Paper mills		EQT050
2621	Paper mills		EQT051
2621	Paper mills		EQT052
2621	Paper mills		EQT053
2621	Paper mills		EQT054
2621	Paper mills		EQT055
2621	Paper mills		EQT056
2621	Paper mills		EQT057
2621	Paper mills		EQT058
2621	Paper mills		EQT059
2621	Paper mills		EQT060
2621	Paper mills		EQT061
2621	Paper mills		EQT062
2621	Paper mills		EQT063
2621	Paper mills		EQT064
2621	Paper mills		EQT065
2621	Paper mills		EQT066
2621	Paper mills		EQT067
2621	Paper mills		EQT068
2621	Paper mills		EQT069
2621	Paper mills		EQT070
2621	Paper mills		EQT071
2621	Paper mills		EQT072
2621	Paper mills		EQT073
2621	Paper mills		EQT074
2621	Paper mills		EQT075

INVENTORIES

AI ID: 2073 - Tembec USA LLC - St Francisville Mill  
 Activity Number: PER2005001  
 Permit Number: 3160-00001-V3  
 Air - Title V Regular Permit Minor Mod

## SIC Codes:

2621	Paper mills	EQT076
2621	Paper mills	EQT077
2621	Paper mills	EQT078
2621	Paper mills	EQT079
2621	Paper mills	EQT080
2621	Paper mills	EQT081
2621	Paper mills	EQT082
2621	Paper mills	EQT083
2621	Paper mills	EQT084
2621	Paper mills	EQT085
2621	Paper mills	EQT086
2621	Paper mills	EQT087
2621	Paper mills	FUG001
2621	Paper mills	FUG002
2621	Paper mills	FUG003
2621	Paper mills	GRP013

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AID: 2073 - Tissue USA LLC - St Francisville Mill  
 Activity Number: PER20050001  
 Permit Number: 3160-00001-V3  
 Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
St. Francisville Mill															
ARE 0002 WT-01													0.44	0.48	2.08
ARE 0003 WT-02													0.15	0.16	0.70
ARE 0004 WT-03													0.08	0.09	0.38
ARE 0005 WT-04													2.01	2.18	9.47
ARE 0006 WY-01													0.74	0.74	3.24
EQT 0004 BP-01	22.33	26.56	97.82										1.83	2.11	7.79
EQT 0005 BP-02	5.58	6.64	24.46										2.77	3.31	12.17
EQT 0006 BP-10													0.43	0.43	1.88
EQT 0007 BP-11													0.43	0.43	1.88
EQT 0008 BP-12													0.43	0.43	1.88
EQT 0009 BP-13													0.43	0.43	1.88
EQT 0010 BP-14													0.43	0.43	1.88
EQT 0011 BP-15													0.43	0.43	1.88
EQT 0012 BP-20													0.43	0.43	1.88
EQT 0013 BP-21													0.43	0.43	1.88
EQT 0014 BP-22													0.43	0.43	1.88
EQT 0015 BP-23													0.43	0.43	1.88
EQT 0016 BP-24													0.43	0.43	1.88
EQT 0022 KM-09													0.86	0.86	3.77
EQT 0023 KM-10													0.86	0.86	3.77
EQT 0024 KM-11													0.86	0.86	3.77
EQT 0025 KM-12													0.86	0.86	3.77
EQT 0026 KM-13													0.86	0.86	3.77

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill  
 Activity Number: PER2005001  
 Permit Number: 3160-00001-V3  
 Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
St. Francisville Mill															
EQT 0027 PGW-01													10.34	14.85	44.55
EQT 0028 PGW-02													41.36	59.40	178.20
EQT 0029 PGW-03													0.59	0.85	2.55
EQT 0030 PGW-04													0.03	0.04	0.12
EQT 0031 PGW-05													0.62	0.89	2.67
EQT 0032 PGW-06													1.72	1.72	7.53
EQT 0033 PGW-07													2.44	3.51	10.53
EQT 0034 PGW-08													0.86	0.86	3.77
EQT 0035 PGW-09													0.86	0.86	3.77
EQT 0036 PGW-10													0.86	0.86	3.77
EQT 0037 PGW-11													0.43	0.43	1.88
EQT 0038 PGW-12													0.43	0.43	1.88
EQT 0039 PGW-13													0.14	0.14	0.63
EQT 0040 PGW-14													0.14	0.14	0.63
EQT 0041 PM-01													26.43	36.00	115.78
EQT 0042 PM-02													24.18	33.60	105.92
EQT 0043 PM-03													1.70	2.04	6.98
EQT 0044 PM-04													0.55	0.95	2.34
EQT 0045 PM-1D	0.58	0.62	2.50	2.90	3.10	12.50	0.15	0.16	0.63	0.02	0.08	0.15	0.16	0.66	
EQT 0046 PM-2D	0.74	0.78	3.17	3.70	3.89	15.85	0.19	0.19	0.79	0.02	0.10	0.20	0.21	0.84	
EQT 0047 PM-4D	0.16	0.20	0.69	0.80	1.00	3.43	0.04	0.05	0.17	<0.01	0.01	0.02	0.04	0.05	0.18
EQT 0048 PMRP															
EQT 0049 SCP-01													10.0	10.0	0.40

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill  
 Activity Number: PER20050001  
 Permit Number: 3160-00001-V3  
 Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/year												
<b>St. Francisville Mill</b>															
EQT 0050 SCP-02							10.0	10.0	0.40						
EQT 0051 SCP-03							10.0	10.0	0.40						
EQT 0052 NCP-01							10.00	10.00	0.33						
EQT 0053 RC-01	3.90	4.90	16.00	32.90	43.45	138.25	5.85	7.35	24.00	10.00	13.20	42.00	0.18	0.24	0.78
EQT 0054 RC-03													1.27	1.60	5.22
EQT 0055 RC-04													0.01	0.02	0.06
EQT 0056 RC-05													0.01	0.02	0.06
EQT 0057 RC-06													1.03	1.29	4.24
EQT 0058 RC-07													0.04	0.05	0.17
EQT 0059 RC-08													0.04	0.05	0.17
EQT 0060 RC-09													0.04	0.05	0.17
EQT 0061 RC-10													0.04	0.05	0.17
EQT 0062 RC-11													0.02	0.03	0.09
EQT 0063 RC-13							0.49	0.62	2.02						
EQT 0064 RC-14							0.49	0.62	2.02						
EQT 0065 RF-01	312.07	334.38	1338.76	89.24	95.63	382.86	29.16	31.25	125.12	32.08	34.38	137.63	5.66	6.06	24.27
				344.89	340.84										
EQT 0066 RF-02							9.92	10.63	42.54	3.59	3.84	15.39	0.97	1.04	4.15
EQT 0067 RF-03							0.33	0.36	1.43				0.18	0.21	0.77
EQT 0068 RF-04													0.72	0.72	3.14
EQT 0069 RF-05													0.72	0.72	3.14
EQT 0070 RF-06													0.72	0.72	3.14
EQT 0071 RF-07													0.54	0.54	2.34

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2073 - Tembec USA LLC - St Francisville Mill  
 Activity Number: PER20050001  
 Permit Number: 3160-00001-V3  
 Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
<b>St. Francisville Mill</b>															
EQT 0072 RF-08													0.54	0.54	2.34
EQT 0073 RF-09													0.54	0.54	2.34
EQT 0074 RF-10													0.54	0.54	2.34
EQT 0075 RF-11													0.17	0.17	0.73
EQT 0076 RF-12													0.17	0.17	0.73
EQT 0077 TO-01													2.76	6.67	12.70
EQT 0078 TO-02													0.28	0.67	1.27
EQT 0079 TO-03													0.28	0.67	1.27
EQT 0080 TO-04													0.28	0.67	1.27
EQT 0081 TO-05													0.34	0.83	1.57
EQT 0083 UT-01	6.12	8.74	2.94	15.53	22.15	7.46	0.18	0.26	0.09	0.04	0.06	0.02	0.40	0.57	0.19
EQT 0084 UT-02	15.59	17.82	68.31	31.50	36.00	138.00	0.79	0.90	3.45	0.19	0.21	0.83	1.73	1.98	7.59
EQT 0085 UT-06	31.28	32.73	137.01	22.75	23.80	99.65	0.81	0.85	3.56	0.20	0.20	0.85	1.79	1.87	7.83
EQT 0088 RC-15										0.21	0.21	0.90			
FUG 0001 BP-03															
FUG 0002 KM-07															
FUG 0003 RC-12															
													0.38	0.44	1.61
													1.95	1.95	8.53
													1.02	1.30	4.19

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

**Permit Phase Totals:**

PM10: 234.62 tons/yr  
 SO2: 196.92 tons/yr  
 NOx: 798.00 tons/yr  
 CO: 1691.66 tons/yr  
 VOC: 681.53 tons/yr

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill

Activity Number: PER20050001

Permit Number: 3160-00001-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
ARE 0002 WT-01	Acetaldehyde	0.06	0.06	0.28
	Ammonia	0.01	0.01	0.03
	Carbon disulfide	0.02	0.02	0.08
	Chlorine dioxide	0.31	0.33	1.45
	Formaldehyde	< 0.01	< 0.01	0.01
	Methanol	0.10	0.11	0.47
	Methyl ethyl ketone	< 0.01	< 0.01	0.02
	Naphthalene	0.01	0.01	0.03
	Total reduced sulfur	0.61	0.67	2.90
ARE 0003 WT-02	Acetaldehyde	0.02	0.02	0.09
	Ammonia	< 0.01	< 0.01	0.02
	Carbon disulfide	0.01	0.01	0.04
	Chloroform	0.03	0.03	0.15
	Formaldehyde	< 0.01	< 0.01	0.01
	Methanol	0.03	0.04	0.16
	Methyl ethyl ketone	< 0.01	< 0.01	0.01
	Naphthalene	< 0.01	< 0.01	0.02
	Total reduced sulfur	0.15	0.17	0.72
ARE 0004 WT-03	Acetaldehyde	0.01	0.01	0.05
	Methanol	0.02	0.02	0.09
ARE 0005 WT-04	Acetaldehyde	0.27	0.29	1.27
	Ammonia	0.03	0.03	0.15
	Carbon disulfide	0.07	0.08	0.34
	Chloroform	0.28	0.31	1.34
	Formaldehyde	0.01	0.01	0.05
	Methanol	0.45	0.49	2.13
	Methyl ethyl ketone	0.02	0.02	0.08
	Naphthalene	0.03	0.03	0.13
	Total reduced sulfur	0.51	0.56	2.42
EQT 0004 BP-01	1,2,4-Trichlorobenzene	< 0.01	< 0.01	0.01
	1,2-Dichloroethane	< 0.01	< 0.01	0.02
	Acetaldehyde	0.01	0.02	0.06
	Chlorine	0.10	0.12	0.44
	Chlorine dioxide	1.28	1.48	5.45

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill

Activity Number: PER20050001

Permit Number: 3160-00001-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0004 BP-01	Chloroform	0.32	0.37	1.36
	Cresol	< 0.01	0.01	0.04
	Dichloromethane	< 0.01	< 0.01	< 0.01
	Formaldehyde	< 0.01	< 0.01	0.02
	Hydrochloric acid	0.76	0.88	3.23
	Methanol	1.45	1.68	6.19
	Methyl ethyl ketone	< 0.01	< 0.01	0.01
	Phenol	< 0.01	< 0.01	0.02
	Propionaldehyde	< 0.01	< 0.01	0.04
	Styrene	< 0.01	< 0.01	0.02
EQT 0005 BP-02	Tetrachloroethylene	< 0.01	< 0.01	< 0.01
	1,2-Dichloroethane	< 0.01	< 0.01	0.02
	Acetaldehyde	0.01	0.02	0.06
	Chlorine	0.08	0.10	0.36
	Chlorine dioxide	0.08	0.09	0.33
	Chloroform	0.10	0.11	0.41
	Cresol	< 0.01	0.01	0.04
	Formaldehyde	< 0.01	< 0.01	0.02
	Hydrochloric acid	0.04	0.05	0.17
	Methanol	2.70	3.12	11.49
	Methyl ethyl ketone	< 0.01	< 0.01	0.01
	Phenol	< 0.01	< 0.01	0.02
	Propionaldehyde	< 0.01	< 0.01	0.04
	Styrene	< 0.01	< 0.01	0.02
EQT 0006 BP-10	Tetrachloroethylene	< 0.01	< 0.01	< 0.01
	Total reduced sulfur	0.15	0.17	0.64
	Acetaldehyde	0.01	0.01	0.02
	Chloroform	0.01	0.01	0.05
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02
EQT 0007 BP-11	Propionaldehyde	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.01	0.01	0.04
EQT 0007 BP-11	Acetaldehyde	0.01	0.01	0.02

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill

Activity Number: PER20050001

Permit Number: 3160-00001-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0007 BP-11	Chloroform	0.01	0.01	0.05
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02
	Propionaldehyde	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.01	0.01	0.04
EQT 0008 BP-12	Acetaldehyde	0.01	0.01	0.02
	Chloroform	0.01	0.01	0.05
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02
	Propionaldehyde	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.01	0.01	0.04
EQT 0009 BP-13	Acetaldehyde	0.01	0.01	0.02
	Chloroform	0.01	0.01	0.05
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02
	Propionaldehyde	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.01	0.01	0.04
EQT 0010 BP-14	Acetaldehyde	0.01	0.01	0.02
	Chloroform	0.01	0.01	0.05
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02
	Propionaldehyde	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.01	0.01	0.04
EQT 0011 BP-15	Acetaldehyde	0.01	0.01	0.02
	Chloroform	0.01	0.01	0.05
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02
	Propionaldehyde	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.01	0.01	0.04

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill

Activity Number: PER20050001

Permit Number: 3160-00001-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0012 BP-20	Acetaldehyde	0.01	0.01	0.02
	Chloroform	0.01	0.01	0.05
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02
	Propionaldehyde	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.01	0.01	0.04
EQT 0013 BP-21	Acetaldehyde	0.01	0.01	0.02
	Chloroform	0.01	0.01	0.05
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02
	Propionaldehyde	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.01	0.01	0.04
EQT 0014 BP-22	Acetaldehyde	0.01	0.01	0.02
	Chloroform	0.01	0.01	0.05
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02
	Propionaldehyde	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.01	0.01	0.04
EQT 0015 BP-23	Acetaldehyde	0.01	0.01	0.02
	Chloroform	0.01	0.01	0.05
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02
	Propionaldehyde	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.01	0.01	0.04
EQT 0016 BP-24	Acetaldehyde	0.01	0.01	0.02
	Chloroform	0.01	0.01	0.05
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02
	Propionaldehyde	< 0.01	< 0.01	0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2073 - Tembec USA LLC - St Francisville Mill

Activity Number: PER20050001

Permit Number: 3160-00001-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0016 BP-24	Total reduced sulfur	0.01	0.01	0.04
EQT 0022 KM-09	Acetaldehyde	0.01	0.01	0.02
	Chloroform	0.01	0.01	0.05
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02
	Propionaldehyde	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.30	0.30	1.32
EQT 0023 KM-10	Acetaldehyde	0.01	0.01	0.02
	Chloroform	0.01	0.01	0.05
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02
	Propionaldehyde	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.30	0.30	1.32
EQT 0024 KM-11	Acetaldehyde	0.01	0.01	0.02
	Chloroform	0.01	0.01	0.05
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02
	Propionaldehyde	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.30	0.30	1.32
EQT 0025 KM-12	Acetaldehyde	0.01	0.01	0.02
	Chloroform	0.01	0.01	0.05
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02
	Propionaldehyde	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.30	0.30	1.32
EQT 0026 KM-13	Acetaldehyde	0.01	0.01	0.02
	Chloroform	0.01	0.01	0.05
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill

Activity Number: PER20050001

Permit Number: 3160-00001-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0026 KM-13	Propionaldehyde	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.30	0.30	1.32
EQT 0027 PGW-01	Acetaldehyde	0.24	0.35	1.05
	Cumene	0.59	0.85	2.55
	Dichloromethane	0.02	0.03	0.09
	Formaldehyde	0.01	0.01	0.04
	Methanol	0.60	0.86	2.59
	Propionaldehyde	0.06	0.08	0.24
EQT 0028 PGW-02	1,2-Dimethoxyethane	0.04	0.06	0.19
	Acetaldehyde	0.05	0.06	0.19
	Biphenyl	0.21	0.30	0.89
	Cumene	0.23	0.32	0.97
	Formaldehyde	0.01	0.02	0.05
	Methanol	0.08	0.12	0.36
	Phenol	0.12	0.18	0.53
EQT 0029 PGW-03	Propionaldehyde	< 0.01	< 0.01	0.01
	Acetaldehyde	0.05	0.07	0.20
	Biphenyl	0.06	0.08	0.24
	Formaldehyde	< 0.01	0.01	0.02
	Methanol	0.04	0.06	0.18
	Naphthalene	0.02	0.02	0.06
	Phenol	0.03	0.05	0.15
EQT 0030 PGW-04	Propionaldehyde	< 0.01	< 0.01	0.01
	Acetaldehyde	< 0.01	< 0.01	0.01
	Methanol	< 0.01	0.01	0.02
EQT 0031 PGW-05	Acetaldehyde	0.01	0.01	0.03
	Formaldehyde	< 0.01	< 0.01	0.01
	Methanol	0.02	0.02	0.06
EQT 0032 PGW-06	Acetaldehyde	0.01	0.01	0.05
	Methanol	0.34	0.34	1.49
	Methyl ethyl ketone	0.01	0.01	0.05
	Phenol	0.01	0.01	0.04
	Propionaldehyde	< 0.01	< 0.01	0.02
EQT 0033 PGW-07	1,2-Dimethoxyethane	0.01	0.01	0.04

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill

Activity Number: PER20050001

Permit Number: 3160-00001-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0033 PGW-07	Acetaldehyde	0.06	0.08	0.25
	Biphenyl	0.47	0.68	2.03
	Cumene	0.03	0.05	0.14
	Formaldehyde	0.01	0.01	0.04
	Methanol	0.11	0.16	0.49
	Naphthalene	0.05	0.08	0.23
	Phenol	0.48	0.69	2.07
EQT 0034 PGW-08	Acetaldehyde	0.01	0.01	0.02
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02
	Propionaldehyde	< 0.01	< 0.01	0.01
EQT 0035 PGW-09	Acetaldehyde	0.01	0.01	0.02
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02
	Propionaldehyde	< 0.01	< 0.01	0.01
EQT 0036 PGW-10	Acetaldehyde	0.01	0.01	0.02
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02
	Propionaldehyde	< 0.01	< 0.01	0.01
EQT 0037 PGW-11	Acetaldehyde	0.01	0.01	0.02
	Chloroform	0.01	0.01	0.05
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02
	Propionaldehyde	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.01	0.01	0.04
EQT 0038 PGW-12	Acetaldehyde	0.01	0.01	0.02
	Chloroform	0.01	0.01	0.05
	Methanol	0.17	0.17	0.74
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.02

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill

Activity Number: PER20050001

Permit Number: 3160-00001-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0038 PGW-12	Propionaldehyde	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.01	0.01	0.04
EQT 0039 PGW-13	Acetaldehyde	< 0.01	< 0.01	0.01
	Chloroform	< 0.01	< 0.01	0.02
	Methanol	0.06	0.06	0.25
	Methyl ethyl ketone	< 0.01	< 0.01	0.01
	Phenol	< 0.01	< 0.01	0.01
	Total reduced sulfur	< 0.01	< 0.01	0.01
EQT 0040 PGW-14	Acetaldehyde	< 0.01	< 0.01	0.01
	Chloroform	< 0.01	< 0.01	0.02
	Methanol	0.06	0.06	0.25
	Methyl ethyl ketone	< 0.01	< 0.01	0.01
	Phenol	< 0.01	< 0.01	0.01
	Total reduced sulfur	< 0.01	< 0.01	0.01
EQT 0041 PM-01	1,2,4-Trichlorobenzene	0.27	0.36	1.16
	1,2-Dimethoxyethane	0.06	0.08	0.26
	Acetaldehyde	0.99	1.32	4.25
	Acrolein	0.04	0.05	0.15
	Benzene	0.01	0.02	0.06
	Biphenyl	0.99	1.32	4.25
	Chlorobenzene	0.03	0.03	0.11
	Formaldehyde	0.29	0.39	1.25
	Methanol	1.19	1.59	5.11
	Methyl ethyl ketone	0.01	0.01	0.02
	Methyl isobutyl ketone	0.05	0.06	0.19
	Naphthalene	0.11	0.15	0.48
	Phenol	1.69	2.25	7.24
	Propionaldehyde	0.23	0.30	0.96
	Styrene	0.07	0.09	0.28
	Tetrachloroethylene	0.09	0.12	0.39
	Toluene	0.23	0.30	0.96
	Total reduced sulfur	0.22	0.30	0.96
	Xylene (mixed isomers)	0.05	0.07	0.22
EQT 0042 PM-02	1,2,4-Trichlorobenzene	0.25	0.34	1.06

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill

Activity Number: PER20050001

Permit Number: 3160-00001-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0042 PM-02	1,2-Dimethoxyethane	0.06	0.08	0.24
	Acetaldehyde	0.91	1.23	3.88
	Acrolein	0.03	0.04	0.14
	Benzene	0.01	0.02	0.06
	Biphenyl	0.91	1.23	3.88
	Chlorobenzene	0.02	0.03	0.10
	Formaldehyde	0.27	0.36	1.15
	Methanol	1.09	1.48	4.68
	Methyl ethyl ketone	< 0.01	0.01	0.02
	Methyl isobutyl ketone	0.04	0.06	0.18
	Naphthalene	0.10	0.14	0.44
	Phenol	1.55	2.10	6.62
	Propionaldehyde	0.21	0.28	0.88
	Styrene	0.06	0.08	0.26
EQT 0043 PM-03	Tetrachloroethylene	0.08	0.11	0.35
	Toluene	0.21	0.28	0.88
	Total reduced sulfur	0.20	0.28	0.87
	Xylene (mixed isomers)	0.05	0.06	0.20
	1,2,4-Trichlorobenzene	0.15	0.18	0.62
	Acetaldehyde	0.41	0.50	1.70
	Acrolein	0.02	0.02	0.08
	Benzene	0.01	0.01	0.03
	Chlorobenzene	0.01	0.02	0.06
	Formaldehyde	0.08	0.10	0.33
	Methanol	0.89	1.07	3.65
	Methyl ethyl ketone	0.03	0.04	0.12
	Methyl isobutyl ketone	0.03	0.03	0.10
	Styrene	0.04	0.04	0.15
EQT 0044 PM-04	Tetrachloroethylene	0.05	0.06	0.21
	Toluene	< 0.01	< 0.01	0.02
	Total reduced sulfur	0.12	0.15	0.51
	Xylene (mixed isomers)	0.03	0.03	0.12
	1,2,4-Trichlorobenzene	0.05	0.08	0.21
	Acetaldehyde	0.13	0.23	0.57

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill

Activity Number: PER20050001

Permit Number: 3160-00001-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0044 PM-04	Acrolein	0.01	0.01	0.03
	Benzene	< 0.01	< 0.01	0.01
	Chlorobenzene	< 0.01	0.01	0.02
	Formaldehyde	0.03	0.04	0.11
	Methanol	0.28	0.50	1.22
	Methyl ethyl ketone	0.01	0.02	0.04
	Methyl isobutyl ketone	0.01	0.01	0.03
	Styrene	0.01	0.02	0.05
	Tetrachloroethylene	0.02	0.03	0.07
	Toluene	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.04	0.07	0.17
	Xylene (mixed isomers)	0.01	0.02	0.04
EQT 0053 RC-01	Acetaldehyde	0.01	0.01	0.03
	Antimony (and compounds)	< 0.01	< 0.01	< 0.01
	Arsenic (and compounds)	< 0.01	< 0.01	< 0.01
	Barium (and compounds)	< 0.01	< 0.01	< 0.01
	Benzene	< 0.01	< 0.01	0.01
	Beryllium (Table 51.1)	< 0.01	< 0.01	< 0.01
	Cadmium (and compounds)	< 0.01	< 0.01	< 0.01
	Carbon disulfide	< 0.01	0.01	0.02
	Chromium VI (and compounds)	< 0.01	< 0.01	< 0.01
	Copper (and compounds)	< 0.01	< 0.01	< 0.01
	Formaldehyde	0.01	0.02	0.06
	Hydrogen sulfide	0.13	0.18	0.56
	Manganese (and compounds)	< 0.01	< 0.01	0.01
	Mercury (and compounds)	< 0.01	< 0.01	< 0.01
	Methanol	0.06	0.08	0.26
	Methyl chloride	0.01	0.02	0.06
	Naphthalene	0.04	0.05	0.15
	Nickel (and compounds)	< 0.01	< 0.01	0.01
	Phenol	< 0.01	< 0.01	0.01
	Polynuclear Aromatic Hydrocar	0.04	0.05	0.17
	Selenium (and compounds)	< 0.01	< 0.01	< 0.01
	Tetrachloroethylene	< 0.01	< 0.01	0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill

Activity Number: PER20050001

Permit Number: 3160-00001-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0053 RC-01	Total reduced sulfur	3.12	4.13	13.13
	Xylene (mixed isomers)	< 0.01	< 0.01	0.01
	Zinc (and compounds)	0.01	0.01	0.02
EQT 0054 RC-03	Methanol	1.27	1.59	5.20
	Methyl ethyl ketone	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.01	0.01	0.02
	Xylene (mixed isomers)	< 0.01	< 0.01	0.01
EQT 0055 RC-04	Methanol	0.01	0.01	0.04
	Xylene (mixed isomers)	< 0.01	< 0.01	0.01
EQT 0056 RC-05	Methanol	0.01	0.01	0.04
	Xylene (mixed isomers)	< 0.01	< 0.01	0.01
EQT 0057 RC-06	Acetaldehyde	0.18	0.23	0.73
	Ammonia	3.89	4.99	16.06
	Methanol	0.84	1.08	3.46
	Methyl ethyl ketone	0.01	0.01	0.03
	Styrene	< 0.01	< 0.01	0.01
	Toluene	< 0.01	< 0.01	0.01
EQT 0058 RC-07	Acetaldehyde	0.01	0.01	0.03
	Ammonia	0.16	0.20	0.65
	Methanol	0.03	0.04	0.14
EQT 0059 RC-08	Acetaldehyde	0.01	0.01	0.03
	Ammonia	0.16	0.20	0.65
	Methanol	0.03	0.04	0.14
EQT 0060 RC-09	Acetaldehyde	0.01	0.01	0.03
	Ammonia	0.16	0.20	0.65
	Methanol	0.03	0.04	0.14
EQT 0061 RC-10	Acetaldehyde	0.01	0.01	0.03
	Ammonia	0.16	0.20	0.65
	Methanol	0.03	0.04	0.14
EQT 0062 RC-11	Acetaldehyde	< 0.01	< 0.01	0.01
	Ammonia	0.08	0.10	0.32
	Methanol	0.02	0.02	0.07
EQT 0065 RF-01	1,2,4-Trichlorobenzene	0.06	0.07	0.28
	Acetaldehyde	0.03	0.03	0.13

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill

Activity Number: PER20050001

Permit Number: 3160-00001-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0065 RF-01	Antimony (and compounds)	< 0.01	< 0.01	< 0.01
	Arsenic (and compounds)	< 0.01	< 0.01	< 0.01
	Barium (and compounds)	< 0.01	< 0.01	< 0.01
	Benzene	0.04	0.04	0.16
	Beryllium (Table 51.1)	< 0.01	< 0.01	< 0.01
	Cadmium (and compounds)	< 0.01	< 0.01	< 0.01
	Chloroform	< 0.01	< 0.01	< 0.01
	Chromium VI (and compounds)	< 0.01	< 0.01	< 0.01
	Copper (and compounds)	< 0.01	< 0.01	< 0.01
	Dichloromethane	0.04	0.05	0.19
	Formaldehyde	0.45	0.49	1.95
	Hydrochloric acid	13.07	14.00	56.05
	Hydrogen sulfide	0.17	0.18	0.73
	Manganese (and compounds)	< 0.01	< 0.01	0.01
	Mercury (and compounds)	< 0.01	< 0.01	< 0.01
	Methanol	2.92	3.13	12.51
	Methyl ethyl ketone	0.07	0.08	0.30
	Methyl isobutyl ketone	< 0.01	< 0.01	0.01
	Naphthalene	0.03	0.03	0.14
	Nickel (and compounds)	< 0.01	< 0.01	0.01
	Polynuclear Aromatic Hydrocar	0.02	0.02	0.10
	Selenium (and compounds)	< 0.01	< 0.01	< 0.01
	Styrene	0.03	0.04	0.14
	Sulfuric acid	2.45	2.63	10.51
	Tetrachloroethylene	0.03	0.04	0.14
	Toluene	0.02	0.02	0.07
	Total reduced sulfur	4.95	5.30	21.22
	Xylene (mixed isomers)	0.03	0.04	0.13
	Zinc (and compounds)	0.02	0.03	0.10
EQT 0066 RF-02	1,2,4-Trichlorobenzene	0.01	0.01	0.03
	Acetaldehyde	0.03	0.03	0.14
	Ammonia	2.86	3.06	12.26
	Antimony (and compounds)	< 0.01	< 0.01	< 0.01
	Arsenic (and compounds)	< 0.01	< 0.01	< 0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill

Activity Number: PER20050001

Permit Number: 3160-00001-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0066 RF-02	Barium (and compounds)	< 0.01	< 0.01	0.01
	Beryllium (Table 51.1)	< 0.01	< 0.01	< 0.01
	Cadmium (and compounds)	< 0.01	< 0.01	< 0.01
	Chromium VI (and compounds)	< 0.01	< 0.01	< 0.01
	Copper (and compounds)	< 0.01	< 0.01	< 0.01
	Formaldehyde	0.30	0.33	1.30
	Hydrogen sulfide	0.05	0.06	0.23
	Manganese (and compounds)	< 0.01	< 0.01	0.01
	Mercury (and compounds)	< 0.01	< 0.01	< 0.01
	Methanol	0.58	0.63	2.50
	Methyl chloride	0.01	0.01	0.03
	Naphthalene	0.03	0.03	0.13
	Nickel (and compounds)	< 0.01	< 0.01	< 0.01
	Selenium (and compounds)	< 0.01	< 0.01	< 0.01
EQT 0067 RF-03	Styrene	0.01	0.01	0.03
	Total reduced sulfur	1.92	2.06	8.26
	Zinc (and compounds)	< 0.01	< 0.01	0.03
	Acetaldehyde	0.01	0.01	0.04
EQT 0068 RF-04	Methanol	< 0.01	< 0.01	0.02
	Methyl ethyl ketone	< 0.01	< 0.01	< 0.01
	Total reduced sulfur	0.23	0.24	0.98
	Acetaldehyde	< 0.01	< 0.01	0.01
EQT 0069 RF-05	Methanol	0.71	0.71	3.11
	Methyl ethyl ketone	< 0.01	< 0.01	0.02
	Total reduced sulfur	0.05	0.05	0.23
	Acetaldehyde	< 0.01	< 0.01	0.01
EQT 0070 RF-06	Methanol	0.71	0.71	3.11
	Methyl ethyl ketone	< 0.01	< 0.01	0.02
	Total reduced sulfur	0.05	0.05	0.23
	Acetaldehyde	< 0.01	< 0.01	0.01
EQT 0071 RF-07	Methanol	0.71	0.71	3.11
	Methyl ethyl ketone	< 0.01	< 0.01	0.02
	Total reduced sulfur	0.05	0.05	0.23
	Acetaldehyde	0.01	0.01	0.04

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill

Activity Number: PER20050001

Permit Number: 3160-00001-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0071 RF-07	Methanol	0.54	0.54	2.34
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.08	0.08	0.35
EQT 0072 RF-08	Acetaldehyde	0.01	0.01	0.04
	Methanol	0.54	0.54	2.34
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.08	0.08	0.35
EQT 0073 RF-09	Acetaldehyde	0.01	0.01	0.04
	Methanol	0.54	0.54	2.34
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.08	0.08	0.35
EQT 0074 RF-10	Acetaldehyde	0.01	0.01	0.04
	Methanol	0.54	0.54	2.34
	Methyl ethyl ketone	0.01	0.01	0.03
	Phenol	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.08	0.08	0.35
EQT 0075 RF-11	Acetaldehyde	0.02	0.02	0.09
	Methanol	0.13	0.13	0.57
	Methyl ethyl ketone	0.01	0.01	0.05
	Phenol	< 0.01	< 0.01	0.02
	Total reduced sulfur	0.13	0.13	0.58
EQT 0076 RF-12	Acetaldehyde	0.02	0.02	0.09
	Methanol	0.13	0.13	0.57
	Methyl ethyl ketone	0.01	0.01	0.05
	Phenol	< 0.01	< 0.01	0.02
	Total reduced sulfur	0.13	0.13	0.58
EQT 0077 TO-01	Acetaldehyde	< 0.01	0.01	0.01
	Carbon disulfide	< 0.01	0.01	0.01
	Chloroform	< 0.01	< 0.01	0.01
	Cumene	0.02	0.04	0.08
	Hydrogen sulfide	0.45	1.08	2.06

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill

Activity Number: PER20050001

Permit Number: 3160-00001-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0077 TO-01	Methanol	0.12	0.30	0.57
	Methyl chloride	0.03	0.07	0.14
	Methyl ethyl ketone	< 0.01	< 0.01	0.01
	Phenol	0.03	0.08	0.16
	Styrene	< 0.01	< 0.01	0.01
	Tetrachloroethylene	< 0.01	< 0.01	0.01
	Toluene	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.49	1.20	2.28
	Xylene (mixed isomers)	< 0.01	< 0.01	0.01
	n-Hexane	0.01	0.03	0.06
EQT 0078 TO-02	Cumene	< 0.01	< 0.01	0.01
	Hydrogen sulfide	0.04	0.11	0.21
	Methanol	0.01	0.03	0.06
	Methyl chloride	< 0.01	0.01	0.01
	Phenol	< 0.01	0.01	0.02
	Total reduced sulfur	0.05	0.12	0.23
	n-Hexane	< 0.01	< 0.01	0.01
EQT 0079 TO-03	Cumene	< 0.01	< 0.01	0.01
	Hydrogen sulfide	0.04	0.11	0.21
	Methanol	0.01	0.03	0.06
	Methyl chloride	< 0.01	0.01	0.01
	Phenol	< 0.01	0.01	0.02
	Total reduced sulfur	0.05	0.12	0.23
	n-Hexane	< 0.01	< 0.01	0.01
EQT 0080 TO-04	Cumene	< 0.01	< 0.01	0.01
	Hydrogen sulfide	0.04	0.11	0.21
	Methanol	0.01	0.03	0.06
	Methyl chloride	< 0.01	0.01	0.01
	Phenol	< 0.01	0.01	0.02
	Total reduced sulfur	0.05	0.12	0.23
	n-Hexane	< 0.01	< 0.01	0.01
EQT 0081 TO-05	Acetaldehyde	< 0.01	< 0.01	0.01
	Methanol	0.34	0.82	1.55
	Methyl ethyl ketone	< 0.01	0.01	0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill

Activity Number: PER20050001

Permit Number: 3160-00001-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0081 TO-05	Total reduced sulfur	0.03	0.06	0.12
EQT 0082 TO-06	Chlorine	0.03	4.00	0.12
	Sulfuric acid	< 0.01	< 0.01	< 0.01
EQT 0091 HA-01	Hydrochloric acid	< 0.01	< 0.01	< 0.01
EQT 0092 HA-02	Hydrochloric acid	< 0.01	< 0.01	< 0.01
EQT 0093 SA-01	Sulfuric acid	< 0.01	< 0.01	< 0.01
EQT 0094 SA-02	Sulfuric acid	< 0.01	< 0.01	< 0.01
EQT 0095 SA-03	Sulfuric acid	< 0.01	< 0.01	< 0.01
EQT 0096 SA-04	Sulfuric acid	< 0.01	< 0.01	< 0.01
EQT 0097 SA-05	Sulfuric acid	< 0.01	< 0.01	< 0.01
FUG 0001 BP-03	Acetaldehyde	< 0.01	< 0.01	0.01
	Chlorine	0.04	0.05	0.18
	Chlorine dioxide	0.04	0.04	0.16
	Chloroform	0.04	0.05	0.18
	Cresol	< 0.01	< 0.01	0.01
	Hydrochloric acid	< 0.01	< 0.01	0.03
	Methanol	0.33	0.38	1.40
	Propionaldehyde	< 0.01	< 0.01	0.01
FUG 0002 KM-07	Total reduced sulfur	0.01	0.02	0.06
	Acetaldehyde	0.04	0.04	0.16
	Methanol	1.86	1.86	8.15
	Methyl ethyl ketone	0.05	0.05	0.22
FUG 0003 RC-12	Total reduced sulfur	0.02	0.02	0.10
	1,2,4-Trichlorobenzene	< 0.01	0.01	0.02
	Acetaldehyde	0.04	0.06	0.18
	Ammonia	0.06	0.08	0.25
	Formaldehyde	0.02	0.03	0.10
	Methanol	0.92	1.19	3.82
	Methyl ethyl ketone	0.01	0.01	0.04
	Methyl isobutyl ketone	< 0.01	< 0.01	0.01
	Styrene	< 0.01	< 0.01	0.01
	Toluene	< 0.01	< 0.01	0.01
	Total reduced sulfur	0.02	0.03	0.08
	Xylene (mixed isomers)	< 0.01	< 0.01	0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill

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Air - Title V Regular Permit Minor Mod

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

**Permit Parameter Totals:**

1,2,4-Trichlorobenzene: 3.39 tons/yr

1,2-Dichloroethane: 0.04 tons/yr

1,2-Dimethoxyethane: 0.73 tons/yr

Acetaldehyde: 16.37 tons/yr

Acrolein: 0.40 tons/yr

Ammonia: 31.69 tons/yr

Antimony (and compounds): &lt;0.01 tons/yr

Arsenic (and compounds): &lt;0.01 tons/yr

Barium (and compounds): 0.01 tons/yr

Benzene: 0.33 tons/yr

Beryllium (Table 51.1): &lt;0.01 tons/yr

Biphenyl: 11.29 tons/yr

Cadmium (and compounds): &lt;0.01 tons/yr

Carbon disulfide: 0.49 tons/yr

Chlorine dioxide: 7.39 tons/yr

Chlorine: 1.10 tons/yr

Chlorobenzene: 0.29 tons/yr

Chloroform: 4.39 tons/yr

Chromium VI (and compounds): &lt;0.01 tons/yr

Copper (and compounds): &lt;0.01 tons/yr

Cresol: 0.09 tons/yr

Cumene: 3.77 tons/yr

Dichloromethane: 0.28 tons/yr

Formaldehyde: 6.52 tons/yr

Hydrochloric acid: 59.48 tons/yr

Hydrogen sulfide: 4.21 tons/yr

Manganese (and compounds): 0.03 tons/yr

Mercury (and compounds): &lt;0.01 tons/yr

Methanol: 116.58 tons/yr

Methyl chloride: 0.26 tons/yr

Methyl ethyl ketone: 1.93 tons/yr

Methyl isobutyl ketone: 0.52 tons/yr

n-Hexane: 0.09 tons/yr

Naphthalene: 1.81 tons/yr

Nickel (and compounds): 0.02 tons/yr

Phenol: 17.44 tons/yr

Polynuclear Aromatic Hydrocarbons: 0.27 tons/yr

Propionaldehyde: 2.42 tons/yr

Selenium (and compounds): &lt;0.01 tons/yr

Styrene: 0.98 tons/yr

Sulfuric acid: 10.51 tons/yr

Tetrachloroethylene: 1.18 tons/yr

Toluene: 1.97 tons/yr

Total reduced sulfur: 66.52 tons/yr

Xylene (mixed isomers): 0.77 tons/yr

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill

Activity Number: PER20050001

Permit Number: 3160-00001-V3

Air - Title V Regular Permit Minor Mod

**Permit Parameter Totals:**

Zinc (and compounds): 0.15 tons/yr

**SPECIFIC REQUIREMENTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill  
 Activity Number: PER20050001  
 Permit Number: 3160-00001-V3  
 Air - Title V Regular Permit Minor Mod

**EQT0004 BP-01 - Bleach Plant Roof Scrubber**

- 1 [40 CFR 63.443(d)(2)] HAP <= 20 ppmv, corrected to 10 percent oxygen on a dry basis, at the outlet of the thermal oxidizer. Subpart S. [40 CFR 63.443(d)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 2 [40 CFR 63.445(c)(2)] Outlet concentration: Total Chlorinated HAP <= 10 ppmv (not including chloroform). Subpart S. [40 CFR 63.445(c)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 3 [40 CFR 63.450(b)] Enclosure: Ensure that each enclosure maintains negative pressure at each enclosure or hood opening as demonstrated by the procedures specified in 40 CFR 63.457(e). Maintain each enclosure or hood opening, closed during the initial performance test specified in 40 CFR 63.457(a), in the same closed and sealed position as during the performance test at all times except when necessary to use the opening for sampling, inspection, maintenance, or repairs. Subpart S. [40 CFR 63.450(b)]
- 4 [40 CFR 63.450(c)] Closed-vent System: Ensure that each component is designed for and operated with no detectable leaks as indicated by an instrument reading of less than 500 parts per million by volume above background, as measured by the procedures specified in 40 CFR 63.457(d). Subpart S. [40 CFR 63.450(c)]
- 5 [40 CFR 63.450(d)(2)] Closed-vent System (bypass lines): Maintain the bypass line valve in the closed position with a car seal or a seal placed on the valve or closure mechanism in such a way that valve or closure mechanism cannot be opened without breaking the seal. Subpart S. [40 CFR 63.450(d)(2)]
- 6 [40 CFR 63.453(c)(1)] Gas scrubber effluent: Oxidation/reduction potential or pH monitored by CMS continuously. Subpart S. [40 CFR 63.453(c)(1)]  
 Which Months: All Year Statistical Basis: None specified
- 7 [40 CFR 63.453(c)(1)] Gas scrubber effluent: Oxidation/reduction potential or pH recordkeeping by recorder continuously. Subpart S. [40 CFR 63.453(c)(1)]  
 Which Months: All Year Statistical Basis: None specified
- 8 [40 CFR 63.453(c)(2)] Flow rate monitored by CMS continuously. Measure the gas scrubber vent gas inlet flow rate. Subpart S. [40 CFR 63.453(c)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 9 [40 CFR 63.453(c)(2)] Flow rate recordkeeping by recorder continuously. Record the gas scrubber vent gas inlet flow rate. Subpart S. [40 CFR 63.453(c)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 10 [40 CFR 63.453(c)(3)] Flow rate recordkeeping by recorder continuously. Record the gas scrubber liquid influent flow rate. Subpart S. [40 CFR 63.453(c)(3)]  
 Which Months: All Year Statistical Basis: None specified
- 11 [40 CFR 63.453(k)(1)] Closed vent system: Seal or closure mechanism monitored by visual inspection/determination once every 30 days. Inspect the closure mechanism specified in 40 CFR 63.450(b) to ensure the opening is maintained in the closed position and sealed. Subpart S. [40 CFR 63.453(k)(1)]  
 Which Months: All Year Statistical Basis: None specified
- 12 [40 CFR 63.453(k)(1)] Closed vent system: Seal or closure mechanism recordkeeping by electronic or hard copy once every 30 days. Record the results of the enclosure opening closure mechanism inspection specified in 40 CFR 453(k)(1). Subpart S. [40 CFR 63.453(k)(1)]  
 Which Months: All Year Statistical Basis: None specified
- 13 [40 CFR 63.453(k)(2)] Closed vent system: Equipment/operational data monitored by visual inspection/determination once every 30 days. Inspect every 30 days and at other times as requested by the DEQ. Include inspection of ductwork, piping, enclosures, and connections to covers for visible evidence of defects. Subpart S. [40 CFR 63.453(k)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 14 [40 CFR 63.453(k)(2)] Closed vent system: Equipment/operational data recordkeeping by electronic or hard copy once every 30 days. Record the results of the inspection specified in 40 CFR 453(k)(2). Subpart S. [40 CFR 63.453(k)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 15 [40 CFR 63.453(k)(3)] Closed vent system: Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually. Demonstrate no detectable leaks as specified in 40 CFR 63.450(c) measured by the procedures in 40 CFR 63.457(d), for positive pressure closed-vent systems or portions of closed-vent systems. Subpart S. [40 CFR 63.453(k)(3)]  
 Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

**AI ID:** 2073 - Tembec USA LLC - St Francisville Mill  
**Activity Number:** PER20050001  
**Permit Number:** 3160-00001-V3  
**Air - Title V Regular Permit Minor Mod**

**EQT0004 BP-01 - Bleach Plant Roof Scrubber**

Closed vent system: Presence of a leak recordkeeping by electronic or hard copy once initially and annually. Record the results of the demonstration of no detectable leaks specified in 40 CFR 453(k)(3). Subpart S. [40 CFR 63.453(k)(3)]  
 Closed vent system: Equipment/operational data monitored by the regulation's specified method(s) once initially and annually. Demonstrate that each enclosure opening is maintained at negative pressure using one of the procedures specified in 40 CFR 63.457(e)(1) through (e)(4). Subpart S. [40 CFR 63.453(k)(4)]

Which Months: All Year Statistical Basis: None specified

Closed vent system: Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record the results of the negative pressure demonstration specified in 40 CFR 453(k)(4). Subpart S. [40 CFR 63.453(k)(4)]

Closed vent system: Equipment/operational data monitored by technically sound method once every 30 days. Inspect the valve or closure mechanism specified in 40 CFR 63.450(d)(2) at least once every 30 days to ensure that the valve is maintained in the closed position and the emission point gas stream is not diverted through the bypass line. Subpart S. [40 CFR 63.453(k)(5)]

Which Months: All Year Statistical Basis: None specified

Closed vent system: Equipment/operational data recordkeeping by electronic or hard copy once every 30 days. Record the results of the valve or closure mechanism inspection specified in 40 CFR 453(k)(5). Subpart S. [40 CFR 63.453(k)(5)]

Closed vent system: Take the corrective actions specified in 40 CFR 63.453(k)(6)(i) and (k)(6)(ii) as soon as practicable if an inspection required by 40 CFR 63.453(k)(1) through (k)(5) identifies visible defects in ductwork, piping, enclosures or connections to covers required by 40 CFR 63.450, or if an instrument reading of 500 parts per million by volume or greater above background is measured, or if enclosure openings are not maintained at negative pressure. Subpart S. [40 CFR 63.453(k)(6)]

Operate in a manner consistent with the minimum or maximum (as appropriate) operating parameter value or procedure required to be monitored under 40 CFR 63.453(a) through (n) and established under 40 CFR 63 Subpart S. Subpart S. [40 CFR 63.453(o)]

Enclosure opening, closed-vent system, and closed collection system: Prepare and maintain a site-specific inspection plan including a drawing or schematic of the components of applicable affected equipment. Subpart S. [40 CFR 63.454(b)]

Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection of each applicable enclosure opening, closed-vent system, or closed collection system. Record the information specified in 40 CFR 63.454(b)(1) through (b)(12) for each inspection. Subpart S. [40 CFR 63.454(b)]

Closed-vent System (bypass lines): Flow indication recordkeeping by electronic or hard copy once every 15 minutes. Set the flow indicator on each bypass line specified in 40 CFR 63.450(q)(1) to provide a record of the presence of gas stream flow in the bypass line at least once every 15 minutes. Subpart S. [40 CFR 63.454(e)]

Toxic air pollutants (TAP): The Bleach Plant shall be controlled by a scrubber.

**EQT0017 KM-01 - Brown Stock Washer Vent**

HAP: Shall comply with NESHAP Subpart S requirements by introducing the vents into the boiler with primary fuel or into the flame zone or as with combustion air by the date specified in 40 CFR 63.440(d)(1). [40 CFR 63.443(d)(4)]  
 Toxic air pollutants (TAP): Shall comply with NESHAP Subpart S requirements by the date specified in LAC 33:III.5122.A - State Only.

**EQT0018 KM-02 - Foam Breaker Tank**

**SPECIFIC REQUIREMENTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill  
 Activity Number: PER20050001  
 Permit Number: 3160-00001-Y3  
 Air - Title V Regular Permit Minor Mod

**EQT0018 KM-02 - Foam Breaker Tank**

- 29 [40 CFR 63.443(d)(4)] HAP: Shall comply with NESHAP Subpart S requirements by introducing the vents into the boiler with primary fuel or into the flame zone or as/with combustion air by the date specified in 40 CFR 63.440(d)(1). [40 CFR 63.443(d)(4)]  
 Toxic air pollutants (TAP): Shall comply with NESHAP Subpart S requirements by the date specified in LAC 33:II.5122.A - State Only.

**EQT0019 KM-04 - Filtrate Tank No. 1**

- 31 [40 CFR 63.443(d)(4)] HAP: Shall comply with NESHAP Subpart S requirements by introducing the vents into the boiler with primary fuel or into the flame zone or as/with combustion air by the date specified in 40 CFR 63.440(d)(1). [40 CFR 63.443(d)(4)]  
 Toxic air pollutants (TAP): Shall comply with NESHAP Subpart S requirements by the date specified in LAC 33:III.5122.A - State Only.

**EQT0020 KM-05 - Filtrate Tank No. 2**

- 33 [40 CFR 63.443(d)(4)] HAP: Shall comply with NESHAP Subpart S requirements by introducing the vents into the boiler with primary fuel or into the flame zone or as/with combustion air by the date specified in 40 CFR 63.440(d)(1). [40 CFR 63.443(d)(4)]  
 Toxic air pollutants (TAP): Shall comply with NESHAP Subpart S requirements by the date specified in LAC 33:III.5122.A - State Only.

**EQT0021 KM-08 - Washed Stock Chest**

- 35 [40 CFR 63.443(d)(4)] HAP: Shall comply with NESHAP Subpart S requirements by introducing the vents into the boiler with primary fuel or into the flame zone or as/with combustion air. [40 CFR 63.443(d)(4)]  
 Toxic air pollutants (TAP): Shall comply with NESHAP Subpart S requirements by the date specified in LAC 33:III.5122.A - State Only.

**EQT0045 PM-1D - Paper Machine No. 1 Dryer**

- 37 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or trapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified  
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

**EQT0046 PM-2D - Paper Machine No. 2 Dryer**

- 39 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or trapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

**AID: 2073 - Tembec USA LLC - St. Francisville Mill**  
**Activity Number: PER20050001**  
**Permit Number: 3160-00001-V3**  
**Air - Title V Regular Permit Minor Mod**

**EQT0046 PM-2D - Paper Machine No. 2 Dryer**

40 [LAC 33:III.1513]

Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

**EQT0053 RC-01 - Lime Kiln**

- |                                |  |
|--------------------------------|--|
| 41 [40 CFR 63.862(a)(1)(i)(C)] | Particulate matter (10 microns or less) <= 0.064 gr/dscf (0.15 g/dscm) corrected to 10 percent oxygen. Subpart MM. [40 CFR 63.862(a)(1)(i)(C), LAC 33:III.5109.A]  |
| 42 [40 CFR 63.864(e)(10)]      | Which Months: All Year Statistical Basis: None specified<br>Flow rate monitored by flow rate monitoring device once every 15 minutes. Monitor the scrubbing liquid flow rate using the procedures in 40 CFR 63.8(c), as well as the procedures specified in paragraphs 40 CFR 63.864(e)(10)(i) and (ii). Subpart MM. [40 CFR 63.864(e)(10)]  |
| 43 [40 CFR 63.864(e)(10)]      | Which Months: All Year Statistical Basis: None specified<br>Flow rate recordkeeping by continuous parameter monitoring system (CPMS) once every 15 minutes. Record the scrubbing liquid flow rate. Subpart MM. [40 CFR 63.864(e)(10)]  |
| 44 [40 CFR 63.864(e)(10)]      | Pressure drop monitored by pressure drop instrument once every 15 minutes across the scrubber using the procedures in 40 CFR 63.8(c), as well as the procedures specified in paragraphs 40 CFR 63.864(e)(10)(i) and (ii). Subpart MM. [40 CFR 63.864(e)(10)]   |
| 45 [40 CFR 63.864(e)(10)]      | Which Months: All Year Statistical Basis: None specified<br>Pressure drop recordkeeping by continuous parameter monitoring system (CPMS) once every 15 minutes across the scrubber. Subpart MM. [40 CFR 63.864(e)(10)]   |
| 46 [40 CFR 63.865]             | Conduct an initial performance test using the test methods and procedures listed in 40 CFR 63.7 and 40 CFR 63.865(b), except as provided in 40 CFR 63.865(c)(1). Subpart MM.   |
| 47 [40 CFR 63.865]             | Conduct an initial performance test using the test methods and procedures listed in 40 CFR 63.7 and 40 CFR 63.865(b), except as provided in 40 CFR 63.865(c)(1). Subpart MM.   |
| 48 [40 CFR 63.865]             | Determine compliance using the test methods and procedures specified in 40 CFR 63.865(a) through (d). Subpart MM.  |
| 49 [40 CFR 63.865]             | Determine compliance using the test methods and procedures specified in 40 CFR 63.865(a) through (d). Subpart MM.  |
| 50 [LAC 33:III.110].B          | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.   |
| 51 [LAC 33:III.1513]           | Which Months: All Year Statistical Basis: None specified<br>Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |
| 52 [LAC 33:III.2301.D.1.c]     | Total suspended particulate <= 1.0 lb/equivalent pulp ton (0.5 kg/equivalent pulp metric ton).   |
| 53 [LAC 33:III.2301.D.3.d]     | Which Months: All Year Statistical Basis: Twelve-hour average Total reduced sulfur <= 20 ppm.  |
| 54 [LAC 33:III.2301.D.3.i]     | Which Months: All Year Statistical Basis: Achieve final compliance with the provisions of LAC 33:III.2301.D.3 as expeditiously as practicable but not more than six years from the effective date of LAC 33:III.2301.  |

**SPECIFIC REQUIREMENTS**

**AI ID:** 2073 - Tembec USA LLC - St Francisville Mill  
**Activity Number:** PER20050001  
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**EQT0053 RC-01 - Lime Kiln**

55 [LAC 33:III.501.C.6]

Conduct a performance/emissions test. Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 5 - Determination of Particulate Emissions from Stationary Sources and Method 16A - Determination of Total Reduced Sulfur Emissions from Stationary Sources (Impinger Technique). Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services.

**EQT0065 RF-01 - NDCE Recovery Furnace**

58 [40 CFR 52.]

Nitrogen oxides <= 2.0 lb per ton of black liquor solid. [40 CFR 52, LAC 33:III.509]  
 Which Months: All Year Statistical Basis: Three one-hour test average  
 Using good design and proper operating techniques to maintain Carbon monoxide <= 800 ppm by volume (BACT limit of PSD-LA-540(M-3)].  
 [40 CFR 52, LAC 33:III.509]

Which Months: All Year Statistical Basis: Three one-hour test average  
 Total suspended particulate <= 0.044 gr/dscf (0.10 g/dscm) corrected to 8 percent oxygen. Subpart BB. [40 CFR 60.282(a)(1)(i)]  
 Which Months: All Year Statistical Basis: None specified  
 Opacity <= 35 percent. Subpart BB. [40 CFR 60.282(a)(1)(ii)]  
 Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate < 0.044 gr/dscf corrected to 8% oxygen, (NSPS Subpart BB Standards). [40 CFR 60.282(a)(1)i, LAC 33:III.509, 40 CFR 52]

Which Months: All Year Statistical Basis: Three one-hour test average  
 Total reduced sulfur <= 5 ppmv (dry basis) corrected to 10 percent oxygen, unless the conditions in 40 CFR 60.283(a)(1)(i) through (a)(1)(vi) are met. Subpart BB. [40 CFR 60.283(a)(1)]  
 Which Months: All Year Statistical Basis: None specified  
 Total reduced sulfur <= 5 ppmv (dry basis) corrected to 8 percent oxygen. Subpart BB. [40 CFR 60.283(a)(2)]

Which Months: All Year Statistical Basis: None specified  
 Opacity monitored by continuous opacity monitor (COM) continuously. Set the span of this system at 70 percent opacity. Subpart BB. [40 CFR 60.284(a)(1)]  
 Which Months: All Year Statistical Basis: None specified  
 Opacity recordkeeping by electronic or hard copy continuously. Subpart BB. [40 CFR 60.284(a)(1)]

63 [40 CFR 60.283(a)(1)]

64 [40 CFR 60.283(a)(2)]

65 [40 CFR 60.284(a)(1)]

66 [40 CFR 60.284(a)(1)]

**SPECIFIC REQUIREMENTS**

**AI ID:** 2073 - Tembec USA LLC - St Francisville Mill  
**Activity Number:** PER20050001  
**Permit Number:** 3160-00001-V3  
**Air - Title V Regular Permit Minor Mod**

**EQT0065 RF-01 - NDCE Recovery Furnace**

Oxygen monitored by continuous emission monitor (CEM) continuously. Monitor the percent of oxygen by volume on a dry basis, except where the provisions of 40 CFR 60.283(a)(1)(iii) or (a)(1)(iv) apply. Locate the continuous monitoring system downstream of the control device(s). Set the span at 25 percent oxygen. Subpart BB. [40 CFR 60.284(a)(2)]

Which Months: All Year Statistical Basis: None specified

Oxygen recordkeeping by electronic or hard copy continuously. Record the percent of oxygen by volume on a dry basis. Subpart BB. [40 CFR 60.284(a)(2)]

Total reduced sulfur monitored by continuous emission monitor (CEM) continuously. Monitor the concentration of TRS emissions on a dry basis, except where the provisions of 40 CFR 60.283(a)(1)(iii) or (a)(1)(iv) apply. Locate the continuous monitoring system downstream of the control device(s). Set the span at a TRS concentration of 30 ppm. Subpart BB. [40 CFR 60.284(a)(2)]

Which Months: All Year Statistical Basis: None specified

Total reduced sulfur recordkeeping by electronic or hard copy continuously. Record the concentration of TRS emissions on a dry basis. Subpart BB. [40 CFR 60.284(a)(2)]

Calculate on a daily basis the 12-hour average TRS concentrations for the two consecutive periods of each operating day, except where the provisions of 40 CFR 60.283(a)(1)(iii) or (a)(1)(iv) apply. Determine each 12-hour average as the arithmetic mean of the appropriate 12 contiguous 1-hour average total reduced sulfur concentrations provided by each continuous monitoring system installed under 40 CFR 60.284(a)(2). Subpart BB. [40 CFR 60.284(c)(1)]

Total reduced sulfur recordkeeping by electronic or hard copy daily. Record the 12-hour average TRS concentrations for the two consecutive periods of each operating day. Subpart BB. [40 CFR 60.284(c)(1)] Calculate and record on a daily basis 12-hour average oxygen concentrations for the two consecutive periods of each operating day, except where the provisions of 40 CFR 60.283(a)(1)(iii) or (a)(1)(iv) apply. Ensure that these 12-hour averages correspond to the 12-hour average TRS concentrations under 40 CFR 60.284(c)(1). Determine the 12-hour averages as an arithmetic mean of the appropriate 12 contiguous 1-hour average oxygen concentrations provided by each continuous monitoring system installed under 40 CFR 60.284(a)(2). Subpart BB. [40 CFR 60.284(c)(2)]

Oxygen recordkeeping by electronic or hard copy daily. Record the 12-hour average oxygen concentrations for the two consecutive periods of each operating day. Subpart BB. [40 CFR 60.284(c)(2)]

Submit Report: Due semiannually. Submit reports of any periods of excess emissions as defined in 40 CFR 60.284(d), for the purpose of reports required under 40 CFR 60.7(c). Subpart BB. [40 CFR 60.284(d)]

Follow the procedures under 40 CFR 60.13 for installation, evaluation, and operation of the continuous monitoring systems required under 40 CFR 60.284. Subpart BB. [40 CFR 60.284(f)]

Use as reference methods and procedures the test methods in appendix A of 40 CFR 60 or other methods and procedures in 40 CFR 60.285, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart BB. [40 CFR 60.285(a)]

Determine compliance with the particulate matter standards in 40 CFR 60.282(a)(1) and (3) using the methods and procedures specified in 40 CFR 60.285(b)(1)to (b)(3). Subpart BB. [40 CFR 60.285(b)]

Determine compliance with the TRS standards in 40 CFR 60.283, except 40 CFR 60.283(a)(1)(vi) and (4), using the methods and procedures specified in 40 CFR 60.285(d)(1) to (d)(3). Subpart BB. [40 CFR 60.285(d)]

Determine compliance with the TRS standards in 40 CFR 60.283(a)(1)(vi) and (4) using the methods and procedures specified in 40 CFR 60.285(e)(1) to (e)(4). Subpart BB. [40 CFR 60.285(e)]

**SPECIFIC REQUIREMENTS**

**AI ID:** 2073 - Tembec USA LLC - St Francisville Mill  
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**Air - Title V Regular Permit Minor Mod**

**EQT0065 RF-01 - NDCE Recovery Furnace**

- 81 [40 CFR 60.40b] Natural gas Annual capacity factor monitored by flow rate monitoring device monthly (NPSPS Subpart Db).  
 Which Months: All Year Statistical Basis: Annual average  
 Annual capacity factor <= 10 % by volume. [40 CFR 60.44b(i)]
- 82 [40 CFR 60.44b(i)] Which Months: Phases: Statistical Basis: Annual average  
 Submit a report to DEQ containing the annual capacity factor over the previous 12 months, the average fuel nitrogen content during the reporting period if natural gas was fired, and all other applicable information per 40 CFR 60.49b(q)(1) through (q)(3). Subpart Db. [40 CFR 60.49b(q)]
- 83 [40 CFR 60.49b(q)] HAP: Shall comply with NESHAP Subpart S requirements by introducing LVHC and HVLC vents into the boiler with primary fuel or into the flame zone or as with combustion air. [40 CFR 63.443(d)(4)]
- 84 [40 CFR 63.443(d)(4)] Particulate matter (10 microns or less) <= 0.044 gr/dscf (0.10 g/dscm), corrected to 8 percent oxygen. Subpart MM. [40 CFR 63.862(a)(1)(i)(A), LAC 33:III.5109.A]
- 85 [40 CFR 63.862(a)(1)(i)(A)] Which Months: All Year Statistical Basis: None specified  
 Opacity monitored by continuous opacity monitor (COM) continuously. Ensure that each COMS is operated according to the provisions in 40 CFR 63.6(h) and 40 CFR 63.8, and completes a minimum of one cycle of sampling and analyzing for each successive 10-second period as specified in 40 CFR 63.8(c)(4)(i). Reduce the COMS data as specified in 40 CFR 63.8(g)(2). Subpart MM. [40 CFR 63.864(d)]
- 86 [40 CFR 63.864(d)] Which Months: All Year Statistical Basis: None specified  
 Opacity recordkeeping by continuous opacity monitor (COM) continuously. Subpart MM. [40 CFR 63.864(d)]  
 Conduct an initial performance test using the test methods and procedures listed in 40 CFR 63.7 and 40 CFR 63.865(b), except as provided in 40 CFR 63.865(c)(1). Subpart MM.
- 87 [40 CFR 63.864(d)] Determine compliance using the test methods and procedures specified in 40 CFR 63.865(a) through (d). Subpart MM.  
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.
- 88 [40 CFR 63.865] Total suspended particulate <= 4.0 lb/equivalent pulp ton (2.0 kg/equivalent pulp metric ton).
- 89 [40 CFR 63.865] Which Months: All Year Statistical Basis: Twelve-hour average  
 Achieve final compliance with the provisions of LAC 33:III.2301.D.3 as expeditiously as practicable but not more than six years from the effective date of LAC 33:III.2301.
- 90 [LAC 33:III.1513] Total suspended particulate monitored by measurement annually Using EPA Method 5 (40 CFR 60 Appendix A).  
 Which Months: All Year Statistical Basis: Three one-hour test average  
 Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, as specified in LAC 33:III.919 and 918.  
 Submit the results of the source test.
- 91 [LAC 33:III.2301.D.1.a] Opacity <= 40 percent, except for one 6-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: Six-minute average
- 92 [LAC 33:III.2301.D.3.i] Carbon monoxide monitored by measurement annually using EPA Method 10 (40 CFR 60 Appendix A).  
 Which Months: All Year Statistical Basis: Three one-hour test average
- 93 [LAC 33:III.2301.D.4.a.ii] Nitrogen oxides monitored by measurement annually using EPA Method 7E (40 CFR 60 Appendix A).  
 Which Months: All Year Statistical Basis: Three one-hour test average
- 94 [LAC 33:III.2301.D.4.a] Shall submit annual certification for BLS burning without the addition of sodium nitrate.
- 95 [LAC 33:III.2301.D.4] TPOR0147
- 96 [LAC 33:III.501.C.6]
- 97 [LAC 33:III.501.C.6]
- 98 [LAC 33:III.501.C.6]

**SPECIFIC REQUIREMENTS**

**AI ID:** 2073 - Tembec USA LLC - St Francisville Mill  
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**EQT0065 RF-01 - NDCE Recovery Furnace**  
 Toxic air pollutants (TAP): Shall comply with NESHAP Subpart MM as MACT.  
 99 [LAC 33:III.5109]

**EQT0066 RF-02 - Smelt Dissolving Tank**

- Particulate matter (10 microns or less) <= 0.20 lb/ton (0.10 kg/Mg) of black liquor solids fired. Subpart MM. [40 CFR 63.862(a)(1)(i)(B)]  
 Which Months: All Year Statistical Basis: None specified  
 Conduct an initial performance test using the test methods and procedures listed in 40 CFR 63.7 and 40 CFR 63.865(b), except as provided in 40 CFR 63.865(c)(1). Subpart MM.  
 Determine compliance using the test methods and procedures specified in 40 CFR 63.865(a) through (d). Subpart MM.  
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.  
 Total reduced sulfur <= 0.016 g/kg of black liquor solids fired. Alternatively, compliance with the particulate emission limits of LAC 33:III.2301.D.1.b by a scrubbing device employing fresh water as the scrubbing medium make up will be accepted as evidence of adequate TRS control.  
 Which Months: All Year Statistical Basis: Twelve-hour average  
 Achieve final compliance with the provisions of LAC 33:III.2301.D.3 as expeditiously as practicable but not more than six years from the effective date of LAC 33:III.2301.  
 Liquid (at the scrubber) Flow rate monitored by flow rate monitoring device continuously.  
 Which Months: All Year Statistical Basis: Hourly average  
 Toxic air pollutants (TAP): Shall comply with NESHAP Subpart MM as MACT.

**EQT0083 UT-01 - Power Boiler No. 1**

- Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified  
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.  
 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

**SPECIFIC REQUIREMENTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill

Activity Number: PER20050001

Permit Number: 3160-00001-V3

Air - Title V Regular Permit Minor Mod

**EQT0083 UT-01 - Power Boiler No. 1**

111 [LAC 33:III.501.C.6]

Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total amount of natural gas fired in this boiler each month, as well as the total amount of natural gas fired in this boiler for the last twelve months. Make records available for inspection by DEQ personnel.

Fuel rate  $\leq$  70 MM scf/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total amount of natural gas consumed by this boiler exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Which Months: All Year Statistical Basis: None specified

Fuel rate monitored by technically sound method continuously.

Which Months: All Year Statistical Basis: None specified

Oxygen monitored by CMS continuously - Within the time limits specified in General Condition VIII of this permit, the permittee shall determine NOX and CO emissions in accordance with methods and procedures set out in 40 CFR 60, Appendix A, Methods 7E and 10 respectively. These emission determinations shall be made at maximum design capacity and normal operational load.

Permittee shall establish a range of oxygen content (excess air) such that NOX and CO emission rates specified in this permit are not exceeded. Oxygen content in the flue gas shall be continuously monitored and recorded using equipment which meets the requirements of 40 CFR Part 60, Appendix B, Performance Specification 3. Alarms shall be set to sound when the flue gas oxygen content is outside of this established range and corrective action shall be taken any time an alarm is sounded. Records of oxygen content, alarm and corrective actions shall be maintained on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Frequent or excessive instances of operating parameter excursions and/or monitoring device down time may be considered as indicative of failure to properly maintain or operate the equipment, and may be considered a violation of this permit.

Should any modifications be made such as different type burners, combustion air relocation, fuel conversion, tube removal or addition, etc., emissions correlations as described above shall be conducted within 60 days of attaining full operation after such modification. Results of all emission determinations shall be sent to the permitting authority within 45 days after completion of the tests.

Which Months: All Year Statistical Basis: Hourly average

Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services.

Submit report: Due annually, by the 31st of March. Report the total amount of natural gas fired in this boiler for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

**EQT0084 UT-02 - Power Boiler No. 4**

118 [LAC 33:III.1101.B]

Opacity  $\leq$  20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill  
 Activity Number: PER20050001  
 Permit Number: 3160-00001-V3  
 Air - Title V Regular Permit Minor Mod

**EQT0084 UT-02 - Power Boiler No. 4**

119 [LAC 33.III.1513]

Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33.III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources, and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33.III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Oxygen monitored by CMS continuously. Within the time limits specified in General Condition VII of this permit, the permittee shall determine NOX and CO emissions in accordance with methods and procedures set out in 40 CFR 60, Appendix A, Methods 7E and 10 respectively. These emission determinations shall be made at maximum design capacity and normal operational load.

Permittee shall establish a range of oxygen content (excess air) such that NOX and CO emission rates specified in this permit are not exceeded. Oxygen content in the flue gas shall be continuously monitored and recorded using equipment which meets the requirements of 40 CFR Part 60, Appendix B, Performance Specification 3. Alarms shall be set to sound when the flue gas oxygen content is outside of this established range and corrective action shall be taken any time an alarm is sounded. Records of oxygen content, alarm and corrective actions shall be maintained on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Frequent or excessive instances of operating parameter excursions and/or monitoring device down time may be considered as indicative of failure to properly maintain or operate the equipment, and may be considered a violation of this permit.

Should any modifications be made such as different type burners, combustion air relocation, fuel conversion, tube removal or addition, etc., emissions correlations as described above shall be conducted within 60 days of attaining full operation after such modification. Results of all emission determinations shall be sent to the permitting authority within 45 days after completion of the tests.

Which Months: All Year Statistical Basis: Hourly average  
 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.  
 Which Months: All Year Statistical Basis: Hourly average  
 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services.

**EQT0085 UT-06 - Power Boiler No. 6**

124 [40 CFR 60.44b]

Nitrogen oxides <= 0.20 lb/MMBTU heat input (expressed as NO<sub>2</sub>). The nitrogen oxide standards apply at all times, including periods of startup, shutdown, or malfunction. Subpart Db.

Which Months: All Year Statistical Basis: Thirty-day rolling average  
 Conduct performance testing to demonstrate compliance with the nitrogen oxides emission standards in 40 CFR 60.44b by following 40 CFR 60.46b(e) or (f), or following 40 CFR 60.46b(g) and (h), as applicable. Subpart Db. [40 CFR 60.46b(c)]

**SPECIFIC REQUIREMENTS**

**AI ID:** 2073 - Tembec USA LLC - St Francisville Mill  
**Activity Number:** PER20050001  
**Permit Number:** 3160-000001-V3  
**Air - Title V Regular Permit Minor Mod**

**EQT0085 UT-06 - Power Boiler No. 6**

- 126 [40 CFR 60.48b(b)(1)] Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates as specified in 40 CFR 60.48b(d). Subpart Db. [40 CFR 60.48b(b)(1)]
- 127 [40 CFR 60.48b(b)(1)] Which Months: All Year Statistical Basis: One-hour average
- 128 [40 CFR 60.48b(c)] Nitrogen oxides recordkeeping by CMS continuously. Subpart Db. [40 CFR 60.48b(b)(1)] Operate NOx continuous monitoring systems and record data during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Record data during calibration checks, and zero and span adjustments. Subpart Db. [40 CFR 60.48b(c)]
- 129 [40 CFR 60.48b(e)] Follow the procedures under 40 CFR 60.13 and 40 CFR 60.48b(e)(1) through (e)(3) for installation, evaluation, and operation of the NOx and opacity continuous monitoring systems. Subpart Db. [40 CFR 60.48b(e)]
- 130 [40 CFR 60.48b(f)] When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days. Subpart Db. [40 CFR 60.48b(f)]
- 131 [40 CFR 60.49b(a)] Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of the affected facility, identification of fuels to be combusted, copy of any federally enforceable requirement limiting annual capacity factor, and all other data as specified in 40 CFR 60.49b(a)(1) through (a)(4). Subpart Db. [40 CFR 60.49b(a)]
- 132 [40 CFR 60.49b(b)] Submit the maximum heat input capacity data from the demonstration of the maximum heat input capacity of the affected facility to DEQ. Subpart Db. [40 CFR 60.49b(b)]
- 133 [40 CFR 60.49b(b)] Submit the performance test data from the initial performance test and the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. Subpart Db. [40 CFR 60.49b(b)]
- 134 [40 CFR 60.49b(c)] Submit plan: Due within 360 days of initial startup to DEQ for approval. The plan must identify the operating conditions to be monitored under 40 CFR 60.48b(g)(2), the records to be maintained under 40 CFR 60.49b(g), and all other information as specified in 40 CFR 60.49b(c)(1) through (c)(3). If the plan is approved, maintain records of predicted nitrogen oxide emission rates and the monitored operating conditions, including steam generating unit load, identified in the plan. Subpart Db. [40 CFR 60.49b(c)] Fuel rate recordkeeping by electronic or hard copy daily. Record the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. Subpart Db. [40 CFR 60.49b(d)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of the information listed in 40 CFR 60.49b(g)(1) through (g)(10) for each steam generating unit operating day, except as provided under 40 CFR 60.49b(p). Subpart Db. [40 CFR 60.49b(g)]
- 135 [40 CFR 60.49b(d)] Submit excess emissions report: Due by the 30th day following the end of each six-month period. Report any excess emissions which occurred during the reporting period. Subpart Db. [40 CFR 60.49b(h)]
- 136 [40 CFR 60.49b(g)] Submit reports containing the nitrogen dioxide emission rate information recorded under 40 CFR 60.49b(g). Subpart Db. [40 CFR 60.49b(i)]
- 137 [40 CFR 60.49b(h)] Maintain all records required under 40 CFR 60.49b for a period of 2 years following the date of such record. Subpart Db. [40 CFR 60.49b(o)]
- 138 [40 CFR 60.49b(i)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the calendar date, the number of hours of operation, and the hourly steam load for each steam generating unit operating day. Subpart Db. [40 CFR 60.49b(p)]
- 139 [40 CFR 60.49b(o)]
- 140 [40 CFR 60.49b(p)]

**SPECIFIC REQUIREMENTS**

**AI ID:** 2073 - Tembec USA LLC - St Francisville Mill  
**Activity Number:** PER20050001  
**Permit Number:** 3160-00001-V3  
**Air - Title V Regular Permit Minor Mod**

**EQT0085 UT-06 - Power Boiler No. 6**

- Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- Which Months: All Year Statistical Basis: None specified
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.
- Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services.

**EQT0086 LVHC - LVHC Vents**

- HAP: Shall comply with NESHAP Subpart S requirements by introducing the vents into the boiler with primary fuel or into the flame zone or as with combustion air. [40 CFR 63.443(d)(4)]

**EQT0087 Pulping Condensates**

- Achieve compliance with the pulping system provisions of 40 CFR 63.443 for the equipment listed in 40 CFR 63.443(a)(1)(ii)-(v) as expeditiously as practicable, but in no event later than December 20, 2004. Establish dates, update dates, and report the dates for the milestones specified in 40 CFR 63.455(b). Subpart S. [40 CFR 63.440(d)(1)]
- Enclose any equipment system listed in 40 CFR 63.443(a) or (b), vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]
- Ensure that each closed collection system meets the individual drain system requirements specified in 40 CFR 63.960, 63.961, and 63.962 of subpart RR, except design and operate closed vent systems and control devices in accordance with 40 CFR 63.443(d) and 63.450, instead of in accordance with 40 CFR 63.693 as specified in 40 CFR 63.446(d)(3)(ii), (b)(3)(ii)(A), and (b)(5)(iii). Subpart S. [40 CFR 63.446(d)(1)]
- Convey the pulping process condensates in a closed collection system that is designed and operated to meet the requirements specified in 40 CFR 63.446(d)(1) and (d)(2). Subpart S. [40 CFR 63.446(d)]
- Recycle the pulping process condensate to an equipment system specified in 40 CFR 63.446(e)(1)
- Subpart S. [40 CFR 63.446(e)(1)]

**SPECIFIC REQUIREMENTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill  
**Activity Number:** PER20050001  
**Permit Number:** 3160-00001-V3  
**Air - Title V Regular Permit Minor Mod**

**EQT0087 Pulping Condensates**

- Control each HAP removed from a pulping process condensate stream during treatment and handling under 40 CFR 63.446(d) or (e), except for those treated according to 40 CFR 63.446(e)(2), as specified in 40 CFR 63.443(c) and (d). Subpart S, [40 CFR 63.446(f)] Evaluate all new or modified pulping process condensates or changes in the annual bleached or non-bleached ODP used to comply with 40 CFR 63.446(i), to determine if they meet the applicable requirements of 40 CFR 63.446. Subpart S, [40 CFR 63.446(h)] Shall collect Organic HAP  $\geq 11.1$  lb per oven dried ton of pulp (averaging over a 15 day period). All the process condensates from equipment systems listed in 63.446(b) shall be counted to meet this requirement prior to counting streams collected from other systems.

- Which Months: Phases: Statistical Basis: Not applicable  
 Submit report: Due by the applicable compliance date specified in 40 CFR 63.440(d) or (e). Report the rationale, calculations, test procedures, and data documentation used to demonstrate compliance with all the requirements of 40 CFR 63.447. Subpart S, [40 CFR 63.447(h)]  
 Submit report: Due with the initial notification report specified under 40 CFR 63.9(b)(2) and 40 CFR 63.455(a). Submit a non-binding control strategy report containing, at a minimum, the information specified in 40 CFR 63.455(b)(1) through (b)(3) in addition to the information required in 40 CFR 63.9(b)(2). Update every two years thereafter. Subpart S, [40 CFR 63.455(b)]

**EQT0088 RC-15 - Pet Coke Silo Baghouse**

- Particulate matter (10 microns or less)  $\geq 99.9\%$  removal efficiency.  
 Which Months: All Year Statistical Basis: None specified

**EQT0089 GT-01 - No. 1 Gasoline Storage Tank**

- 158 [LAC 33:III.501.C.6] Equip with a submerged fill pipe.  
 159 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.  
 160 [LAC 33:III.2103.I.] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

**EQT0090 GT-02 - No. 2 Gasoline Storage Tank**

- 161 [LAC 33:III.2103.A] Equip with a submerged fill pipe.  
 162 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.  
 163 [LAC 33:III.2103.I.] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

**EQT0091 HA-01 - No. 1 Hydrochloric Acid Tank**

- 164 [LAC 33:III.5109.A] No additional control is determined as MACT.

**EQT0092 HA-02 - No. 2 Hydrochloric Acid Tank**

**SPECIFIC REQUIREMENTS**

**All ID:** 2073 - Tembec USA LLC - St Francisville Mill  
**Activity Number:** PER20050001  
**Permit Number:** 3160-00001-V3  
**Air - Title V Regular Permit Minor Mod**

**EQT0092 HA-02 - No. 2 Hydrochloric Acid Tank**

165 [LAC 33:III.5109.A] No additional control is determined as MACT.

**EQT0093 SA-01 - No. 1 Sulfuric Acid Tank**

166 [LAC 33:III.5109.A] No additional control is determined as MACT.

**EQT0094 SA-02 - No. 2 Sulfuric Acid Tank**

167 [LAC 33:III.5109.A] No additional control is determined as MACT.

**EQT0095 SA-03 - No. 3 Sulfuric Acid Tank**

168 [LAC 33:III.5109.A] No additional control is determined as MACT.

**EQT0096 SA-04 - No. 4 Sulfuric Acid Tank**

169 [LAC 33:III.5109.A] No additional control is determined as MACT.

**EQT0097 SA-05 - No. 5 Spent Sulfuric Acid Tank**

170 [LAC 33:III.5109.A] No additional control is determined as MACT.

**FUG0002 KM-07 - Fugitives**

171 [40 CFR 63.443(a)(1)(ii)(C)] Permittee shall maintain HAP emissions less than or equal to 0.3 lb/ODTP. [40 CFR 63.443(a)(1)(ii)(C)]

**GRP0007 Recovery Area**

**Group Members:** EQT0065 EQT0066 EQT0067 EQT0068 EQT0069 EQT0070 EQT0071 EQT0072 EQT0073 EQT0074 EQT0075 EQT0076

172 [LAC 33:III.509] Production rate <= 2.8 MM lbs BLS/day.

Which Months: All Year Statistical Basis: Annual average

173 [LAC 33:III.509] Production rate <= 3.0 MM lbs BLS/day.

Which Months: All Year Statistical Basis: Daily maximum

**GRP0014 Fabric Filter Requirements**

**Group Members:** EQT0049 EQT0050 EQT0051 EQT0052 EQT0063 EQT0064 EQT0088

**SPECIFIC REQUIREMENTS**

AI ID: 2073 - Tembec USA LLC - St Francisville Mill  
 Activity Number: PER20050001  
 Permit Number: 3160-00001-V3  
 Air - Title V Regular Permit Minor Mod

**GRP0014 Fabric Filter Requirements**

- 174 [40 CFR 64.6(c)(1)]  
 Filter vents: Visible emissions monitored by visual inspection/determination daily. [40 CFR 64.6(c)(1)]  
 Which Months: All Year Statistical Basis: None specified  
 An excursion or exceedance is defined as the presence of visible emissions. Any visible emissions that occur during the first thirty (30) seconds of start-up shall not be defined as an excursion or exceedance. [40 CFR 64.6(c)(2)]  
 Submit Notification: Due at the DEQ upon the establishment or reestablishment of any exceedance or excursion level, for purposes of responding to and reporting exceedances or excursions under 40 CFR 64.7 and 64.8. [40 CFR 64.6(c)(2)]  
 Equipment/operational data recordkeeping by electronic or hard copy daily. [40 CFR 64.6(c)(4)]
- 175 [40 CFR 64.6(c)(2)]
- 176 [40 CFR 64.6(c)(2)]
- 177 [40 CFR 64.6(c)(4)]
- 178 [40 CFR 64.6(c)(4)]  
 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [40 CFR 64.6(c)(4)]
- 179 [40 CFR 64.7(a)]  
 Conduct the monitoring required under 40 CFR 64 upon issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to 40 CFR 64.6(d). [40 CFR 64.7(a)]
- 180 [40 CFR 64.7(b)]  
 Maintain the monitoring required under 40 CFR 64 at all times, including but not limited to maintaining necessary parts for routine repairs of the monitoring equipment. [40 CFR 64.7(b)]
- 181 [40 CFR 64.7(c)]  
 Conduct all monitoring required under 40 CFR 64 in continuous operation (or collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments). Do not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of 40 CFR 64, including data averages and calculations, or for fulfilling a minimum data availability requirement, if applicable. Use all the data collected during all other periods in assessing the operation of the control device and associated control system. [40 CFR 64.7(c)]
- 182 [40 CFR 64.7(d)(1)]  
 Restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable upon detecting an excursion or exceedance, in accordance with good air pollution control practices for minimizing emissions. Minimize the period of any startup, shutdown or malfunction, and take any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). [40 CFR 64.7(d)(1)]
- 183 [40 CFR 64.7(e)]  
 Submit written notification: Due to the Office of Environmental Compliance within 72 hours upon identifying a failure to achieve compliance with the particulate matter emission limitation for which, after approval of monitoring under 40 CFR 64, the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions. If necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. [40 CFR 64.7(e)]
- 184 [40 CFR 64.8(a)]  
 Three excursions within a two-week period is the threshold limit of excursions at which implementation of a QIP is required. [40 CFR 64.8(a)]
- 185 [40 CFR 64.9(a)]  
 Submit report: Due on and after the date specified in 40 CFR 64.7(a) by which the owner or operator must use monitoring that meets the requirements of 40 CFR 64. Submit monitoring reports to the DEQ in accordance with 40 CFR 70.6(a)(3)(iii). Include in a report for monitoring under 40 CFR 64, at a minimum, the information required under 40 CFR 70.6(a)(3)(iii) and the information specified in 40 CFR 64.9(a)(2)(i) through (a)(2)(iii), as applicable. [40 CFR 64.9(a)]
- 186 [40 CFR 64.9(b)(1)]  
 Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)]

**SPECIFIC REQUIREMENTS**

**AI ID:** 2073 - Tembec USA LLC - St Francisville Mill  
**Activity Number:** PER20050001  
**Permit Number:** 3160-00001-V3  
**Air - Title V Regular Permit Minor Mod**

**GRP0014 Fabric Filter Requirements**

- 187 [40 CFR 64.9(b)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]  
 Baghouses: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
- 188 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified  
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 189 [LAC 33:III.501.C.6]

**GRP0013 St. Francisville Mill**

- Group Members: ARE0002 ARE0003 ARE0004 ARE0005 ARE0006 EQT0004 EQT0005 EQT0006 EQT0007 EQT0008 EQT0009 EQT0010 EQT0011 EQT0012 EQT0013 EQT0014 EQT0015 EQT0016 EQT0017 EQT0018 EQT0019 EQT0020 EQT0021 EQT0022 EQT0023 EQT0024 EQT0025 EQT0026 EQT0027 EQT0028 EQT0029 EQT0030 EQT0031 EQT0032 EQT0033 EQT0034 EQT0035 EQT0036 EQT0037 EQT0038 EQT0039 EQT0040 EQT0041 EQT0042 EQT0043 EQT0044 EQT0045 EQT0046 EQT0047 EQT0048 EQT0049 EQT0050 EQT0051 EQT0052 EQT0053 EQT0054 EQT0055 EQT0056 EQT0057 EQT0058 EQT0059 EQT0060 EQT0061 EQT0062 EQT0063 EQT0064 EQT0065 EQT0066 EQT0067 EQT0068 EQT0069 EQT0070 EQT0071 EQT0072 EQT0073 EQT0074 EQT0075 EQT0076 EQT0077 EQT0078 EQT0079 EQT0080 EQT0081 EQT0082 EQT0083 EQT0084 EQT0085 EQT0086 EQT0087 EQT0088 EQT0089 EQT0090 EQT0091 EQT0092 EQT0093 EQT0094 EQT0095 EQT0096 EQT0097 FUG0001 FUG0002 FUG0003 GRP0002 GRP0003 GRP0004 GRP0005 GRP0006 GRP0007 GRP0008 GRP0009 GRP0010 GRP0011 GRP0014
- 190 [40 CFR 60.] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.  
 Implement corrective action, as specified in the startup, shutdown and malfunction plan prepared under 63.866(a), if the monitoring exceedances in 40 CFR 63.864(k)(1) through (k)(1)(vi) occur. Subpart MM. [40 CFR 63.864(k)(1)]
- 191 [40 CFR 63.864(k)(1)] Develop and implement a written startup, shutdown, and malfunction plan as described in 40 CFR 63.6(e)(3) that contains specific procedures to be followed for operating the source and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and control systems used to comply with the standards. In addition to the information required in 40 CFR 63.6(e), include the requirements in paragraphs 40 CFR 63.866(a)(1) and (2). Subpart MM. [40 CFR 63.866(a)]
- 192 [40 CFR 63.866(a)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of any occurrence when corrective action is required under 40 CFR 63.864(k)(1) and when a violation is noted under 40 CFR 63.864(k)(2). Subpart MM. [40 CFR 63.866(b)]
- 193 [40 CFR 63.866(b)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain the general records required by 40 CFR 63.10(b)(2), and the information specified in 40 CFR 63.866(c)(1) through (c)(6). Subpart MM. [40 CFR 63.866(c)]
- 194 [40 CFR 63.866(c)] Submit the applicable notifications from 40 CFR 63, Subpart A, as specified in 40 CFR 63, Subpart MM, Table 1. Subpart MM. [40 CFR 63.867(a)(1)]
- 195 [40 CFR 63.867(a)(1)] Submit notification: Due to DEQ before any of the actions in 40 CFR 63.867(b)(3)(i) through (b)(3)(iv) are taken. Subpart MM. [40 CFR 63.867(b)(3)]
- 196 [40 CFR 63.867(b)(3)]

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- 197 [40 CFR 63.867(c)(1)] Submit excess emissions report: Due semiannually when no exceedances of parameters have occurred. Include a statement that no excess emissions occurred during the reporting period. Subpart MM. [40 CFR 63.867(c)(1)]
- 198 [40 CFR 63.867(c)] Submit excess emissions report: Due quarterly if measured parameters meet any of the conditions specified in 40 CFR 63.864(k)(1) or (k)(2). Include the information specified in 40 CFR 63.10(c) as well as the number and duration of occurrences when the source met or exceeded the conditions in 40 CFR 63.864(k)(1), and the number and duration of occurrences when the source met or exceeded the conditions in 40 CFR 63.864(k)(2). Subpart MM. [40 CFR 63.867(c)]
- 199 [40 CFR 63.] All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 1 of 40 CFR 63 Subpart S and Table 1 of 40 CFR 63 Subpart MM.
- 200 [40 CFR 70.5(a)(1)(iii)] Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 201 [40 CFR 70.6(a)(3)(iii)(A)] Submit Title V monitoring results report: Due semiannually, by March 31 and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 202 [40 CFR 70.6(a)(3)(iii)(B)] Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 203 [40 CFR 70.6(c)(5)(iv)] Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 204 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.1111
- 205 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 206 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 207 [LAC 33:III.2191] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 208 [LAC 33:III.501.C.6] 1,2,4-Trichlorobenzene <= 3.39 tons/yr.  
 Which Months: All Year Statistical Basis: Annual maximum  
 1,2-Dichloroethane <= 0.04 tons/yr.  
 Which Months: All Year Statistical Basis: Annual maximum  
 1,2-Dimethoxyethane <= 0.73 tons/yr.  
 Which Months: All Year Statistical Basis: Annual maximum
- 209 [LAC 33:III.501.C.6]
- 210 [LAC 33:III.501.C.6]

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211	[LAC 33:III.501.C.6]	Acetaldehyde <= 16.37 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
212	[LAC 33:III.501.C.6]	Acrolein <= 0.40 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
213	[LAC 33:III.501.C.6]	Ammonia <= 31.69 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
214	[LAC 33:III.501.C.6]	Antimony (and compounds) < 0.01 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
215	[LAC 33:III.501.C.6]	Arsenic (and compounds) < 0.01 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
216	[LAC 33:III.501.C.6]	Barium (and compounds) <= 0.01 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
217	[LAC 33:III.501.C.6]	Benzene <= 0.33 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
218	[LAC 33:III.501.C.6]	Beryllium (Table 51.1) < 0.01 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
219	[LAC 33:III.501.C.6]	Biphenyl <= 11.29 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
220	[LAC 33:III.501.C.6]	Cadmium (and compounds) < 0.01 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
221	[LAC 33:III.501.C.6]	Carbon disulfide <= 0.49 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
222	[LAC 33:III.501.C.6]	Carbon monoxide <= 1691.66 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
223	[LAC 33:III.501.C.6]	Chlorine <= 1.10 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
224	[LAC 33:III.501.C.6]	Chlorine dioxide <= 7.39 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
225	[LAC 33:III.501.C.6]	Chlorobenzene <= 0.29 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
226	[LAC 33:III.501.C.6]	Chloroform <= 4.39 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
227	[LAC 33:III.501.C.6]	Chromium VI (and compounds) < 0.01 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
228	[LAC 33:III.501.C.6]	Copper (and compounds) < 0.01 tons/yr. Which Months: All Year Statistical Basis: Annual maximum

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229	[LAC 33:III.501.C.6]	Cresol <= 0.09 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
230	[LAC 33:III.501.C.6]	Cumene <= 3.77 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
231	[LAC 33:III.501.C.6]	Dichloromethane <= 0.28 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
232	[LAC 33:III.501.C.6]	Formaldehyde <= 6.52 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
233	[LAC 33:III.501.C.6]	Hydrochloric acid <= 59.48 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
234	[LAC 33:III.501.C.6]	Hydrogen sulfide <= 4.21 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
235	[LAC 33:III.501.C.6]	Manganese (and compounds) <= 0.03 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
236	[LAC 33:III.501.C.6]	Mercury (and compounds) < 0.01 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
237	[LAC 33:III.501.C.6]	Methanol <= 116.58 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
238	[LAC 33:III.501.C.6]	Methyl chloride <= 0.26 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
239	[LAC 33:III.501.C.6]	Methyl ethyl ketone <= 1.93 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
240	[LAC 33:III.501.C.6]	Methyl isobutyl ketone <= 0.52 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
241	[LAC 33:III.501.C.6]	Naphthalene <= 1.81 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
242	[LAC 33:III.501.C.6]	Nickel (and compounds) <= 0.02 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
243	[LAC 33:III.501.C.6]	Nitrogen oxides <= 798.00 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
244	[LAC 33:III.501.C.6]	Particulate matter (10 microns or less) <= 234.62 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
245	[LAC 33:III.501.C.6]	Phenol <= 17.44 tons/yr. Which Months: All Year Statistical Basis: Annual maximum
246	[LAC 33:III.501.C.6]	Polynuclear Aromatic Hydrocarbons <= 0.27 tons/yr. Which Months: All Year Statistical Basis: Annual maximum

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- 247 [LAC 33:III.501.C.6] Propionaldehyde <= 2.42 tons/yr.  
 Which Months: All Year Statistical Basis: Annual maximum  
 Selenium (and compounds) < 0.01 tons/yr.
- 248 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Annual maximum  
 Styrene <= 0.98 tons/yr.
- 249 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Annual maximum  
 Sulfur dioxide <= 196.92 tons/yr.
- 250 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Annual maximum  
 Sulfuric acid <= 10.51 tons/yr.
- 251 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Annual maximum  
 Tetrachloroethylene <= 1.18 tons/yr.
- 252 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Annual maximum  
 Toluene <= 1.97 tons/yr.
- 253 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Annual maximum  
 Total reduced sulfur <= 66.52 tons/yr.
- 254 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Annual maximum  
 VOC, Total <= 681.53 tons/yr.
- 255 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Annual maximum  
 Xylene (mixed isomers) <= 0.77 tons/yr.
- 256 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Annual maximum  
 Zinc (and compounds) <= 0.15 tons/yr.
- 257 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Annual maximum  
 n-Hexane <= 0.09 tons/yr.
- 258 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Annual maximum  
 Comply with the requirements of PSD-LA-540(M-3). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-540(M-3).
- 259 [LAC 33:III.509] Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.
- 260 [LAC 33:III.5105.A.1] Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.
- 261 [LAC 33:III.5105.A.2] Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
- 262 [LAC 33:III.5105.A.3] Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.
- 263 [LAC 33:III.5105.A.4] Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Air Quality Assessment Division, in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
- 264 [LAC 33:III.5107.A.2]

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- 265 [LAC 33:III.5107.B.1] Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- 266 [LAC 33:III.5107.B.2] Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923.
- 267 [LAC 33:III.5107.B.3] Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:III.3923.
- 268 [LAC 33:III.5107.B.4] Permit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii.
- 269 [LAC 33:III.5107.B.5] Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
- 270 [LAC 33:III.5109.A.1] Submit to DEQ a compliance plan for achieving compliance with MACT requirements in accordance with LAC 33:III.5109.D. Include the elements listed under LAC 33:III.5109.E.
- 271 [LAC 33:III.5109.A.2] Submit to DEQ a certification of compliance with all MACT requirements, in accordance with LAC 33:III.5109.D. Include the elements listed in LAC 33:III.5109.E.
- 272 [LAC 33:III.5109.B.3] Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology.
- 273 [LAC 33:III.5109.B] Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2.
- 274 [LAC 33:III.5109.C] Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department.
- 275 [LAC 33:III.5111.A.1] Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:III.1701, before commencement of the construction of any new source.

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- 276 [LAC 33:III.5111.A.2.a]  
 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source.
- 277 [LAC 33:III.5111.A]  
 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified.
- 278 [LAC 33:III.5113.B.1]  
 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel.
- 279 [LAC 33:III.5113.B.3]  
 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department.
- 280 [LAC 33:III.5113.B.4]  
 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e.
- 281 [LAC 33:III.5113.B.5]  
 Analyze samples and determine emissions within 30 days after each emission test has been completed.
- 282 [LAC 33:III.5113.B.5]  
 Submit certified letter: Due to the Office of Environmental Assessment, Air Quality Assessment Division, before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test.
- 283 [LAC 33:III.5113.B.6]  
 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.
- 284 [LAC 33:III.5113.B.7]  
 Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test.
- 285 [LAC 33:III.5113.C.1]  
 Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test.
- 286 [LAC 33:III.5113.C.2]  
 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence.
- 287 [LAC 33:III.5113.C.2]  
 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ.
- 288 [LAC 33:III.5113.C.2]  
 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin.
- 289 [LAC 33:III.5113.C.3]  
 Submit performance evaluation report: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation.
- 290 [LAC 33:III.5113.C.5.a]  
 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems.
- 291 [LAC 33:III.5113.C.5.a]  
 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B.
- 292 [LAC 33:III.5113.C.5.d]  
 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days.
- 293 [LAC 33:III.5113.C.5.d]  
 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS.

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- 293 [LAC 33:III.5113.C.5.e] Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS.
- 294 [LAC 33:III.5113.C.5] Submit plan: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system.
- 295 [LAC 33:III.5113.C.7] Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ.
- 296 [LAC 33:III.5307.A] Submit initial emissions inventory report: Due to the Department of Environmental Quality on or before October 1, 1994. Submit on a form or in an electronic format specified by the department and include the information specified in LAC 33:III.5307.A. 1 through 7.
- 297 [LAC 33:III.5609.A.1.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 5 when the administrative authority declares an Air Pollution Alert.
- 298 [LAC 33:III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33:III.5611. Table 6 when the administrative authority declares an Air Pollution Warning.
- 299 [LAC 33:III.5609.A.3.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 7 when the administrative authority declares an Air Pollution Emergency.
- 300 [LAC 33:III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency.
- 301 [LAC 33:III.919.D] Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611. Tables 5, 6, and 7. Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.